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**User manual HONEYWELL SDC**  
**User guide HONEYWELL SDC**  
**Operating instructions HONEYWELL SDC**  
**Instructions for use HONEYWELL SDC**  
**Instruction manual HONEYWELL SDC**

## **Honeywell**

Heating Controller SDC  
Remote Heating Controller DHC

### **OPERATING INSTRUCTIONS**



EN2H-0220GE51 R0308



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doc @ 9090 1 Software version This documentation is valid for software version V 3.0 of your control device. The software version is displayed after switch-  
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/156-Honeywell/Sicherheitshinweise/Sicherheitshinweise @ 0mod\_1207134414454\_6.doc @ 9105 2 2.1 Safety instructions Intended use The SDC / DHC  
Smile family of controllers was designed for the sole purpose of regulating and controlling hot-water, heating and district heating systems (including hot-  
water production) that do not exceed a maximum flow temperature of 120 C. 2.2 Requirements for start-up ATTENTION The heating system must be complete  
and filled with water so that the pumps do not run dry and the heating boiler is not damaged.  
The control equipment must be installed in accordance with the installation instructions. All electrical connections (voltage supply, burner, mixer motor,  
pumps, sensor wiring etc.) must be carried out by the technician in accordance with the applicable VDE regulations and correspond with the circuit

diagrams. If floor heating is connected, a limiting thermostat must also be installed in the flow line after the heating circuit pump. This switches off the pumps at excessive flow temperatures.

Before starting up the controller, have the heating technician check all requirements listed above. NOTE The current time and date are already set at the factory and are backed up by a battery. The time switch functions based on a basic program and the control functions are preset for common heating systems with lowtemperature boilers. EN2H-0220GE51 R0308 7 Safety instructions SDC / DHC 2.2.

1 Power supply Do not disconnect the controller from the mains supply! The battery for saving all individualised data is otherwise unnecessarily strained. The frost-protection function of the controller is deactivated. 2.2.2 Connection conditions All electrical connection work may only be carried out by qualified personnel! 2.2.3 Cable cross-sections 1.5 mm<sup>2</sup> for all cables carrying 230 V (power supply, burner, pumps, actuator). 0.6 mm<sup>2</sup> for bus cables (recommended type J-Y(St)Y 2 x 0.

6) 0.5 mm<sup>2</sup> for sensors, selectors and analog signal cables. 2.2.4 Maximum cable lengths Sensor, selector and analog inputs We recommend using cables no longer than 200 m. Longer connection lines could be used, but increase the risk of interference. Relay outputs Unlimited cable length. Bus connections Max. length of 100 m from the first bus subscriber to the last one (incl. wall modules).

2.2.5 Cable installation Install cables for sensors apart from the cables carrying 230 V! Branch boxes in the sensor cable must be avoided! 8 EN2H-0220GE51 R0308 SDC / DHC Safety instructions 2.2.6 Grounding and zeroing Local regulations on the connection of equipment must be observed! 2.3 Hot-water temperature greater than 60 C ATTENTION Note that there is a danger of scalding at all hot-water drawoff points (kitchen, bathroom etc.) in the following cases. Add sufficient cold water in these cases. Automatic antilegionella mechanism When the automatic anti-legionella mechanism is activated, the hot water is automatically heated to the anti-legionella temperature (65 C at the factory) on the selected day and at the selected time to kill any legionella bacteria found in the hot-water tank. In the manual mode / emission measurement operating mode, the hot water is heated up to the highest possible boiler temperature, as the burner and all pumps are switched on and the mixer is opened fully.

There is an acute danger of scalding at all connected hot-water draw-off points! Add sufficient cold water or switch off the hot-water loading pump (at the switch of the pump, if present). Heating and hot water are in unregulated continuous operation. This operating mode is for special use by the chimney sweep for emission measurement or if the controller is defective. The high hot-water temperatures can be prevented, however, by setting the boiler thermostat to a max. boiler temperature of approx. 60 C. Manual mode / Emission measurement EN2H-0220GE51 R0308 9 Safety instructions SDC / DHC 2.4 Connection of accessory parts WARNING According to VDE 0730, a separator for each mains terminal is to be provided in the voltage supply to the control equipment. Observe the local regulations regarding grounding and zeroing. As soon as the mains voltage is applied to terminals 21, 22, 2, 6, 12 and 18, headers X3 and X4 can also carry mains voltage.

If the heating circuit and hot-water loading pumps do not have an On / Off switch, but manual switch-on and switch-off capability is still desired, the appropriate switches must be installed by the customer. All accessory parts (sensors, selectors etc.) are to be connected to the respective circuit diagram. 2.5 Maintenance and cleaning The controller is maintenance-free. The device can be cleaned externally with a moist (not wet) cloth. Pos: 3 /156-Honeywell/Bedienung/Uebersicht @ I\mod\_1207643459088\_6.



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doc @ 9180 10 EN2H-0220GE51 R0308 SDC / DHC Overview 3 Overview The modular SDC / DHC control device is available in an installable switch cabinet version and a surface-mounted wall version with the following equipment features: Number of output relays Mixed heating circuit 1 Mixed heating circuit 2 District heating valve CLOSED Direct heating circuit Tank loading pump Variable output 3 Variable output 2 x x x x SDC 3-10 SDC 3-40 SDC 7-21 1) 3 3 7 or Type x x x x x x x x x x x x SDC 9-21 2) 7 x + two variable relays 10 x + two variable relays 1) 2) 3) x x x x x SDC 12-31 3) DHC 43-1 DHC 43-2 DHC 43-3 Pos: 4 /156-Honeywell/Bedienung/Anzeigen\_und\_Bedienelemente @ I/mod\_1207643591494\_6.doc @ 9195 EN2H-0220GE51 R0308 Variable output 1 11 Burner stage 2 Burner stage 1 Operation SDC / DHC 4.4.1 Operation Display and operating elements 5 1 6 7 8 9 11 10 2 3 4 1 "Manual mode" / "Emission measurement" button (not on district heating controllers) 2 "Operating modes" button (basic display) 3 "Switching time programs" / "Holiday programs" button 4 "System information" button 5 Display 6 Cover clip for service socket 7 "Daytime room temperature" button 8 "Night-time room temperature" button 9 "Daytime hot-water temperature" button 10 Input button (press / turn) 11 Operating mode symbols (heating programs) Pos: 5 /156-Honeywell/Bedienung/Display\_Grundanzeige @ I/mod\_1207643647963\_6.

doc @ 9210 12 EN2H-0220GE51 R0308 SDC / DHC Operation 4.1.1 Display (basic display) 1 C 2 3 4 5 1 2 3 Day of the week / Date Time Active operating mode 4 5 Operating mode symbols Heat generator temperature The illumination of the display is switched on by pressing any button or using the input button and switches off automatically if no buttons are pressed for a longer period of time. Durrange 5 C (hot-water economy temperature) .. . Maximum hot-water heater temperature limit (service setting) Pressing and holding (approx. 3 s) the button brings you to the reload function, where the reload time can be set in minutes. With a reload time of 0 minutes, loading is started once and the hot-water tank is loaded to the daytime setpoint. The time for this superimposed hot-water circuit loading can be set between 0 and 240 minutes.

The current week program is superimposed here. One-time hot-water circuit loading Pos: 11 /156-Honeywell/Bedienung/Taste\_Betriebsart @ I/mod\_1207644003760\_6.doc @ 9300 4.1.2.5 "Operating mode" button (basic display) Sets the operating mode and returns to the basic display from every operating level. 16 EN2H-0220GE51 R0308 SDC / DHC Operation Overview of the operating modes Symbol Operating mode ABSENT Display Setting P1 (P2, P3)\*, return date PARTY P1 (P2, P3)\*, party end time AUTOMATIC C P1 (P2, P3)\* SUMMER C P1(P2, P3)\* HEATING C RED. HEATING C STANDBY C \* P2 and P3 only after enabling, see "System Parameters" menu, parameter 2 = P1 to P3 EN2H-0220GE51 R0308 17 Operation SDC / DHC The selected operating mode appears in plain text, whereby a marking at the bottom edge of the display points to the respective operating mode symbol at the same time. In operating mode 1, the set value for all heating circuits is the same. In operating mode 2, the set value applies for the respective heating circuit.

To set the operating mode, see 4.2.3.3 Operating mode, pg. 52. Setting Press button. Select operating mode by turning the input button . The marking is located above the corresponding operating mode symbol. Confirm set operating mode by pressing the input button . With short-term operating modes (ABSENT, PARTY), set the desired value by turning the input button and confirm with the button or the input button .

Alternative: Automatic acceptance of the value after the set information time (see 4.1.2.7 "System information" button, pg. 26).

Return to the basic display NOTE Press the button for approx. 3 s to return to the basic display from any operating level. Holiday mode is set via the "Switching time programs / Holiday programs" button (see 4.1.2.

6 "Switching time programs / Holiday programs" button, pg. 23). button or the Pos: 12 /156-Honeywell/Bedienung/Abwesenheitsbetrieb @ I/mod\_1207644137353\_6.doc @ 9330 4.1.2.5.1 Absence mode (short-term program) With the ABSENT operating mode, heating operation is temporarily deactivated and protected from frost during brief absences. During the absence, all heating circuits are adjusted to the specified lowered room temperature. Once the set time expires, the heating circuits automatically return to the operating mode that was active before the switch to the absence operation.

Short-term programs such as PARTY or ABSENT are skipped here. Setting Application 18 See 4.1.2.5 "Operating mode" button (basic display) , pg. 16 Short absence while heating operation is active. EN2H-0220GE51 R0308 SDC / DHC Operation Cancellation An active absence program can be cancelled in case of early return. Press button. Turn input button and switch to automatic operation. The active absence program has been cancelled.

Factory setting Setting range P1 as from activation P1 (P2, P3) / 0.5 to 24 h to the current time P1 (P2, P3) Program-controlled resumption of heating operation. After activation of the absence program, heating operation is interrupted until the following switch-on time of the current automatic program P1 (or P2 or P3, if enabled). 0,5 ..

. 24 h The set value is added on to the current time and represents the return time. When the absence program is called up again, the last set value is saved and suggested as the initial value. Display An active absence program appears in the basic display with information on the return time. Pos: 13 /156-Honeywell/Bedienung/Partybetrieb @ I/mod\_1207644211166\_6.

doc @ 9345 4.1.2.5.2 Party mode (short-term program) Party mode causes one-time intermediate heating of all heating circuits up to a specified point in time and bridges an upcoming or already active absence cycle totally or partially. Once the set time expires, the heating circuits automatically return to the operating mode that was active before the party program. Short-term programs such as ABSENT or PARTY are skipped here. Setting Application See 4.1.2.

5 "Operating mode" button (basic display) , pg. 16 One-time extension of heating operation or intermediate heating during lowering operation outside the schedule. An active party program can be cancelled early. Cancellation EN2H-0220GE51 R0308 19 Operation SDC / DHC Press button. Turn input button and switch to automatic mode. The active party program has been cancelled.



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Factory setting Setting range P1 as from activation P1 (P2, P3) / 0.5 to 24 h to the current time P1 P1 (P2, P3) Program-controlled resumption of heating operation. After activation of the party program, heating operation is continued until the following switch-on time of the current automatic program P1 (or P2 or P3, if enabled) 0,5 ..

. 24 h The set value is added on to the current time and represents the end of the party time. When the party program is called up again, the last set value is saved and suggested as the initial value. Display An active party program appears in the basic display with information on the party end time. Pos: 14 /156-Honeywell/Bedienung/Automatikbetrieb @ Tmod\_1207644252369\_6.

doc @ 9360 4.1.2.5.3 Automatic mode In automatic operation, max.

three time programs with different heating operation times are available. They are called up during start-up as factory-set and unlosable default programs P1, P2 or P3 and can, if necessary, be overwritten with their own switching times in the "Timeprograms" menu (see 4.2.2 "Timeprograms" menu, pg. 34).

Default programs P2 and P3 cannot be selected until the PROGRAM = P1 to P3 parameter is enabled in the "System Parameters" menu. Without enabling, only program P1 is active. See 4.1.2.

5 "Operating mode" button (basic display) , pg. 16 C NOTE Setting 20 EN2H-0220GE51 R0308 SDC / DHC Operation Disabling / enabling default program P2 to P3 Disabling "System Parameters" menu, program parameter = P1. All heating circuits and the hot-water circuit solely refer to the default / individually programmed switching times in the program P1 parameter. Program P1 does not appear in the display in this operating mode (see 4.2.2 "Timeprograms" menu, pg. 34 and 4.2.3.2 Time program, pg.

52). Enabling "System Parameters" menu, program parameter = P1 to P3 (see 4.2.2 "Timeprograms" menu, pg. 34 and 4.

2.3.2 Time program, pg. 52). C C Display An active automatic program appears in the basic display with the current date and time.

If default programs P2 and P3 were enabled, the corresponding symbol, , or , is also displayed depending on the selected program. The symbols are only displayed with the time program P1 to P3 active. Pos: 15 /156-Honeywell/Bedienung/Manueller\_Sommerbetrieb @ Tmod\_1207644281166\_6.doc @ 9375 4.1.2.5.4 Manual summer operation (excluding heating operation) With manual summer operation, only the hot-water circuit remains operation and controls the heat generator temperature based on the specified hot-water temperature and the specified hot-water switching time program. Heating operation is stopped, and protection from frost is provided. This feature is only available when control mode is set to 1.

See 4.1.2.5 "Operating mode" button (basic display) , pg. 16 Disabling / enabling default programs P2 to P3 Disabling "System Parameters" menu, program parameter = P1. All heating circuits and the hot-water circuit solely refer to the default / individually programmed switching times in the time program = P1 parameter. Program P1 does not appear in the display in this operating mode (see 4.2.2.1 Selection of the control circuit, pg.

35 and 4.2.3.2 Time program, pg. 52).

21 C Setting C EN2H-0220GE51 R0308 Operation SDC / DHC Enabling "System Parameters" menu, program parameter = P1 to P3 (see 4.2.2.1 Selection of the control circuit, pg. 35 and 4.

2.3.2 Time program, pg. 52). C Display Manual summer operation appears in the basic display with the information SUMMER. If default programs P2 and P3 were enabled, the corresponding symbol, , or , is also displayed depending on the selected program. The symbols are only displayed with the time program P1 to P3 active. Pos: 16 /156-Honeywell/Bedienung/Staendiger\_Heizbetrieb @ Tmod\_1207644312853\_6.doc @ 9390 4.1.

2.5.5 Continuous heating operation The HEATING operating mode ensures continuous heating operation without time limitations based on the specified daytime room temperature. Hot-water production occurs continuously based on the specified daytime hot-water temperature. The HEATING operating mode remains active until another operating mode is activated. Activated continuous heating operation appears in the basic display with the information HEATING.

C NOTE Display Pos: 17 /156-Honeywell/Bedienung/Staendiger\_Absenkbetrieb @ Tmod\_1207644346213\_6.doc @ 9405 4.1.2.

5.6 Continuous lowering operation The RED. HEATING operating mode causes continuously reduced heating operation based on the specified lowered room temperature. On the heating circuit levels, the reduced operating mode ECO (frost-protected deactivation mode) or RED (lowering mode) is set accordingly.

The minimum temperature limit of the respective heating circuit must be taken into account.

See the "Direct Circuit" or "Mixed Heating Circuit 1" / "Mixed Heating Circuit 2" menu, reduced parameter = reduced operation and 12 parameter = minimum temperature limit. Hot-water production occurs continuously based on the specified hot-water economy temperature (see "DHW" menu, hot water parameter = hot water at night). C 22 EN2H-0220GE51 R0308 SDC / DHC Operation NOTE The RED. HEATING operating mode remains active until another operating mode is activated. Activated continuous lowering operation appears in the basic display with the information RED.

HEATING. Display Pos: 18 /156-Honeywell/Bedienung/Standby-Betrieb @ Tmod\_1207644379916\_6.doc @ 9420 4.1.2.5.7 Standby mode In standby mode, the entire system is switched off and protected from frost (all frost-protection functions active). C Hot-water production is disabled and protected from frost. At storage temperatures below 5 C, a reload to up to 8 C takes place. Application Total deactivation of heating and hot water with full building protection.

The heat generator and hot-water production remain in operation in case of external demand or demand by other heating circuits on the bus network. The heating circuit pumps are switched on briefly every day (pump anti-blocking protection). @@@@See 4.1.2.6.1 Holiday mode, pg. 24 and 4.2.2

"Timeprograms" menu, pg.

@@@@ Turn input button to the left. HOLIDAY appears in the display. Press input button . HOLIDAY 01 appears in the display. Press input button . The year flashes in the display. Set year with the input button . Press input button . The day on which the holiday is to begin flashes in the display. Set the day the holiday will begin with the input button .

Press input button . TIL - - appears in the display. Set the day you will return from holiday with the input button . Press input button . The desired holiday timeframe is saved. @@@@@ Press button. Turn input button and switch to automatic mode. The active holiday program has been cancelled. Factory setting Setting range Display Current date Current date..

. @@@@@@@@@@to max. @3 s, the INFO TIME parameter appears.



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@@@@@@@@@@@@@@@@The set switching differential corresponds to the value of automatic control and is symmetrical to the set value. Controller malfunctions (emergency operation), errors The maximum heat generator temperature limit is paramount to the heat generator switching differential and stops the heat generator in case of exceedance. With control devices operated purely as a heating circuit expansion, the setting of the temperature has no effect. C C Application NOTE 28 EN2H-0220GE51 R0308 SDC / DHC Operation The last value to which the control device adjusted the heat generator temperature appears as a recommendation. Cancellation Press button or operating mode. button, to return to the last selected Pos: 24 /156-Honeywell/Bedienung/Emmissionsmessung @ Inm od\_1207644670916\_6.doc @ 9495 4.

1.2.8.2 Emission measurement (not with district heating controllers) ATTENTION Emission measurements may only be carried out by the chimney sweep. Pressing the button controls the heat generator for a duration of 20 min based on the set maximum temperature limit. The remaining time is displayed and counted down. With two-stage heat generators, both stages are in operation (measurement at nominal output). Function The heat generator is adjusted to the maximum heat generator temperature. All heating circuits and the hot-water production adjust their setpoint to the respective maximum temperature. ATTENTION There is a danger of scalding by hot water, as the hot-water temperature can exceed the set setpoint temperature.

Application Cancellation Emission measurement by the chimney sweep. Emission measurement can be cancelled at any time with the or button. Pos: 25 /156-Honeywell/Bedienung/Heizkurve @ Inmod\_1207644424181\_6.doc @ 9435 EN2H-0220GE51 R0308 29 Operation SDC / DHC 4.1.2.9 Heating curve Determines the heating curve for the heating circuits. C The heating curve describes the relationship of the flow temperature change to the outside temperature change. With a larger heating surface, such as with floor heaters, the heating curve has a less extreme slope than with a smaller heating surface (e.g.

radiators). The set value refers to the lowest outside temperature used for heat demand calculation. ATTENTION This parameter must be set by the technician and should no longer be changed. Setting Press and hold input button for 3 s. Turn the input button to select the desired heating circuit (HC, MC-1 or MC-2) and confirm it by pressing the input button . The design temperature (system) appears at the bottom righthand side of the display. Press input button . The slope of the heating curve appears at the bottom left-hand side of the display. Set the flashing heating curve value by turning the input button (design temperature also flashes and is changed automatically depending on the slope of the heating curve). Confirm by pressing the input button .

Alternative: Automatic acceptance of the value after the set information time (see 4.1.2.7 "System information" button, pg. 26). Press Setting range 0,2 ... 3,5 button to return to the basic display. 30 EN2H-0220GE51 R0308 SDC / DHC Operation Factory setting Direct heating circuit (HC) = Mixed heating circuit 1 (MC-1) Mixed heating circuit 2 (MC-2) = = 1,5 1 1 x y a x y a Boiler / flow temperature [C] Outside temperature [C] Troom [C] Pos: 26 /156-Honeywell/Bedienung/Menue\_Auswahlebene @ Inm od\_1207644710588\_6.doc @ 9510 4.2 Menu-selection level The control device contains a menu-selection level that is structured differently, depending on the respective device version. Access Press and hold input button for approx. 3 s. The menu selection always begins with the TIME DATE menu. Turn input button to select additional menus. Press input button to confirm the selected menu. EN2H-0220GE51 R0308 31 Operation SDC / DHC The menu functions are described in the following: Programming Configuration Configuration System parameter Direct heating circuit Mixed heating circuit 1 01 02 Time Year Language selection Time program Nighttime hot water Legionellaprotection day Heating curve Reduced Heating curve Reduced Heating curve Reduced 03 04 05 06 07 23 Heating circuit name Day Month Change Operating mode Summer / Heat limit Parameter reset Heating system Heating circuit name Heating system Heating circuit name Heating system Heating circuit name Pos: 27 /156-Honeywell/Bedienung/Menue\_Uhr-Datum @ Inmod\_1207644749744\_6.doc @ 9525 32 EN2H-0220GE51 R0308 Mixed heating circuit 2 Time - Date Parameter Hot water SDC / DHC Operation 4.2.

1 "Time - Date" menu The following current calendar values can be specified in this menu: Time Year Day - Month Time change mode (summer / winter time) NOTE All listed daytime values are set at the factory and generally do not need to be updated. An internal, pre-programmed calendar ensures automatic time change on the annually recurring summer / winter time switchover dates. If necessary, the automatic time change can be deactivated. The current weekday, Mo to Su is determined from the calendar date and does not need to be set. Application Access Setting Corrections for rare fault cases See 4.2 Menu-selection level, pg. 31 Turn input button and select the "Time - Date" menu. Turn input button and select the desired calendar value (time, year, day - month, change). Press input button and change the corresponding value by turning the input button . Press input button to confirm the set value. Turn input button to select and change additional calendar values. Returning Returning to the basic display takes place by pressing the button or automatically after the set information time (see 4.1.2.7 "System information" button, pg. 26). Pos: 28 /156-Honeywell/Bedienung/Menue\_Schaltzeiten @ Inmod\_1207644798369\_6.doc @ 9540 EN2H-0220GE51 R0308 33 Operation SDC / DHC 4.2.2 "Timeprograms" menu Individualised switching time programs for heating and hot-water operation can be created in this menu. Here, the factory-set default programs P1 (and, if enabled, P2 and P3 as well) of each heating circuit and the hot-water circuit are overwritten by individualised switching times and temperature specifications. This is especially advantageous if correspondingly adapted heating programs are to be created in case of periodically recurring assignments with different assignment times (e.g. shift work). Max. three heating cycles, each with a switch-on and switch-off time, are available for each day of the week for programming switching times. Each heating cycle can also be combined with a freely-selectable temperature specification. NOTE The default programs are not lost when overwritten by individually created programs. Individualised programs, however, are deleted when default programs are reloaded and must be recreated.



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For this reason, individualised switch-on / switch-off times and temperature specifications should always be entered in the tables provided for this purpose (see 5 Log, pg.

60). Press button. Access Returning Returning to the basic display takes place by pressing the button or automatically after the set information time (see 4.1.2.7 "System information" button, pg. 26). Pos: 29 /156-Honeywell/Bedienung/Auswahl\_des\_Regelkreises @ Nm od\_1207644837697\_6.doc @ 9555 34 EN2H-0220GE51 R0308 SDC / DHC Operation 4.2.

2.1 Selection of the control circuit After accessing the "Timeprograms" menu, the desired control circuits can be selected with the input button in the following sequence: Direct heating circuit (HC) Mixed heating circuit 1 (MC-1) Mixed heating circuit 2 (MC-2) Hot-water circuit (DHW) Press input button to access the selected circuit. Pos: 30 /156-Honeywell/Bedienung/Auswahl\_des\_Programms @ Nm od\_1207644895088\_6.doc @ 9570 4.2.

2.2 Selection of the program If the switching time programs P2 and P3 have been enabled (see "System Parameter" menu, program parameter = P1 to P3), the program selection appears. If switching time programs P2 and P3 are disabled, program selection is automatically skipped (see "System Parameters" menu, program parameter = P1). Pos: 31 /156-Honeywell/Bedienung/Auswahl\_von\_Wochentag\_und\_Zyklus @ Nmod\_1207644995228\_6.doc @ 9585 4.

2.2.3 Selection of day of the week and cycle Once the program is selected, the first cycle of the first day of the week (MO 1) and the relevant section in the top time bar flash. The other cycles are selected by turning the input button and confirmed by pressing the input button . Pos: 32 /156-Honeywell/Bedienung/Programmieren\_von\_Schaltzeiten\_und\_Zyklustemperaturen @ Nm od\_1207645043306\_6.doc @ 9600 EN2H-0220GE51 R0308 35 Operation SDC / DHC 4.2.2.4 4.2.

2.4.1 Programming switching times and cycle temperatures Pos: 33 /156-Honeywell/Bedienung/Einschaltzeit @ Nm od\_1207645164353\_6.doc @ 9615 Switch-on time The switch-on time is the start of heating or, with enabled switchon optimisation, the start of assignment. After selecting the day of the week and the corresponding cycle, the respective switch-on time appears flashing and can be set with the input button . The time bar in the top part of the display provides an overview of all programmed cycles between 0:00 and 24:00 hours on the selected day of the week. NOTE The switch-on time cannot be set below the switch-off time of a previous cycle or below 0:00 hours of the selected day of the week. If the switch-on time is changed, the corresponding time bar display is adjusted to the left-hand side. If the switch-on time is made equal to the switch-off time, the corresponding cycle is deleted. A subsequent cycle is automatically shifted to the position of the deleted cycle upon acceptance.

With subsequent insertion of a cycle that has been bumped up, the corresponding day of the week must be reprogrammed. A flashing switch-on time is accepted by pressing the input button . Pos: 34 /156-Honeywell/Bedienung/Ausschaltzeit @ Nm od\_1207645241572\_6.doc @ 9630 4.2.

2.4.2 Switch-off time The switch-off time is the end of heating or, with enabled switchoff optimisation, the end of assignment. Once the switch-on time is accepted, the associated switch-off time appears flashing and can be changed with the input button . The time bar in the top part of the display provides an overview of all programmed cycles between 0:00 and 24:00 hours on the selected day of the week.

36 EN2H-0220GE51 R0308 SDC / DHC Operation NOTE The switch-off time cannot be set higher than the switch-on time of a subsequent cycle. If the switch-on time is changed, the corresponding time bar display is adjusted to the right-hand side. If the switch-off time is made equal to the switch-on time, the corresponding cycle is deleted. A subsequent cycle is automatically shifted to the position of the deleted cycle upon acceptance. With subsequent insertion of a cycle that has been bumped up, the corresponding day of the week must be reprogrammed. A flashing switch-off time is accepted by pressing the input button . Pos: 35 /156-Honeywell/Bedienung/Zyklustemperatur @ Nm od\_1207645359213\_6.doc @ 9645 4.2.2.

4.3 Cycle temperature Once the switch-off time is accepted, the associated cycle temperature appears flashing and can be changed immediately with the input button . With heating circuits, the displayed cycle temperature is always based on the desired room temperature; with the hot-water circuit, it is based on the desired normal hotwater temperature in the selected cycle. A flashing cycle temperature is accepted by pressing the input button . At the same time, the last called-up cycle appears flashing so that it may be monitored; additional cycles can then be selected directly and edited in the same way in the order: switch-on time, switch-off time, cycle temperature. Pos: 36 /156-Honeywell/Bedienung/Schaltzeitenprogramm ierung\_gesperrt @ Nm od\_1207645477385\_6.doc @ 9660 EN2H-0220GE51 R0308 37 Operation SDC / DHC Switching time programming (programs P2 and P3 disabled) Upon accessing the menu-selection level, the "Timeprograms" menu always appears first. Enabling of programs P2 and P3 in the "System Parameters" menu (see 4.2 Menu-selection level, pg. 31).

Select heating circuit: HC MC -1 MC -2 DHW Default time We Th Fr Sa Copy circuit Select day and cycle: MoHcy-1 MoHcy-2 MoHcy-3 TuHcy-1 SuHcy-3 Copy day Change: Start of heating Only appears if there are switching times in the second heating cycle. Change: End of heating Monitoring Return: 3s Change: Temperature Return to the basic display: HC MC-1 MC-2 DHW Hcy Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit Heating cycle 38 EN2H-0220GE51 R0308 SDC / DHC Operation Default switching time program (P1) for heating and hot water Uniform, continuous heating and hot-water operation on all days of the week Default program P1 Heating circuit Heat generator heating circuit Hot-water circuit Mixed heating circuit 1 / 2 Pos: 37 /156-Honeywell/Bedienung/Schaltzeitenprogramm ierung\_freigeschaltet @ Nm od\_1207645530166\_6.doc @ 9675 Day Mo to Su Mo to Su Mo to Su Heating operation from 6:00 5:00 6:00 to 22:00 22:00 22:00 EN2H-0220GE51 R0308 39 Operation SDC / DHC Switching time programming (program P2 and P3 enabled) Upon accessing the menu-selection level, the "Timeprograms" menu always appears first. Enabling of programs P2 and P3 in the "System Parameters" menu (see 4.2 Menu-selection level, pg.

31). Select heating circuit: HC MC -1 MC -2 DHW Default time Copy circuit Select program: P1 P2 P3 Select day and cycle: MoHcy-1 MoHcy-2 MoHcy-3 TuHcy-1 We Th Fr Sa SuHcy-3 Copy day Change: Start of heating Only appears if there are switching times in the second heating cycle Change: End of heating Monitoring Return: 3s Change: Temperature Return to the basic display: HC MC-1 MC-2 DHW Hcy Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit Heating cycle 40 EN2H-0220GE51 R0308 SDC / DHC Operation Default program P1 Heating circuit Heat generator heating circuit Hot-water circuit Mixed heating circuit 1 / 2 Default program P2 Heating circuit Day Mo to Th Boiler heating circuit Fr Sa to Su Mo to Th Hot-water circuit Fr Sa to Su Mixed heating circuit 1 / 2 Default program P3 Heating circuit Heat generator heating circuit Hot-water circuit Mixed heating circuit 1 / 2 Day Mo to Fr Sa to Su Mo to Su Sa to Su Mo to Su Sa to Su Heating operation from 7:00 Reduced 6:00 Reduced 7:00 Reduced 18:00 18:00 to 18:00 Mo to Th Fr Sa to Su Heating operation from 6:00 6:00 6:00 5:00 5:00 6:00 6:00 6:00 7:00 to 8:00 8:00 22:00 8:00 8:00 23:00 8:00 8:00 23:00 16:00 13:00 22:00 22:00 15:30 12:30 22:00 22:00 from 16:00 13:00 to 22:00 22:00 Day Mo to Su Mo to Su Mo to Su Heating operation from 6:00 5:00 6:00 to 22:00 22:00 Pos: 38 /156-Honeywell/Bedienung/Kopieren\_von\_Schaltzeitenprogrammen\_Tage @ Nm od\_1207645726103\_6.



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doc @ 9690 EN2H-0220GE51 R0308 41 Operation SDC / DHC 4.2.2.

4.3.1 Copying switching time programs (days) Block programming enables the switching times and cycle temperatures of any day of the week to be copied 1 To any days within the week (Mo, Tu, We, ..., Su) 2 To all weekdays (Mo to Fr) 3 To the weekend (Sa to Su) 4 To the entire week (Mo to Su) Calling up the copy function (days) See flowcharts on pg. 44 Source day Press input button to confirm the copy function. Turn input button to select the source day (MO to SU) to be copied. The respective automatic program P1 (P2, P3) of the source day is copied in the display with the time switch symbol and the program index. Target day Press input button to confirm the source day.

The source day appears flashing. Turn input button to select the following setting values and confirm by pressing the input button : The following target days (Mo to Su) individually All days of the week (1 to 7) as a week block All weekdays (1 to 5) as a weekday block The weekend days (6 to 7) as a weekend block Acceptance is confirmed by acknowledging DAY COPY OK. After acknowledgement, the following target days appear one after another automatically with each additional press of the input button and can be skipped and accepted if necessary. Pressing the display. NOTE button causes an immediate return to the basic Only complete days with all cycles and temperature specifications and the respective program can be copied. 42 EN2H-0220GE51 R0308 SDC / DHC Operation Pos: 39 /156-Honeywell/Bedienung/Kopieren\_von\_Schaltzeitenprogrammen\_Heizkreise @ Nm od\_1207645787619\_6.doc @ 9705 4.2.2.4.

3.2 Copying switching time programs (heating circuits) Block programming also enables the copying of all switching times and temperature specifications of a heating circuit to another heating circuit. Calling up the copy function (heating circuits) See flowcharts on pg. 44 Source circuit Press input button to confirm the copy function. Turn input button to select the source circuit to be copied (HC, MC-1, MC-2, DHW).

If automatic program P1, P2 or P3 (see "System Parameter" menu, PROGRAM parameter = P1 to P3) was enabled, the desired switching time program P1, P2 or P3 of the source circuit can be selected. If not enabled, program selection is skipped. Target circuit Press input button , to confirm the source circuit.

Based on the same chart, the desired target circuit and, if enabled, the desired program can be selected and accepted. Acceptance is confirmed by acknowledging COPY OK.

The copy function is then called up again to copy additional circuits, if necessary. NOTE Heating circuits cannot be copied to hot-water circuits or the reverse due to the different temperature specifications. If a heating circuit (HC, MC-1, MC-2) is selected as the source circuit, the hotwater circuit (DHW) switches off as the target circuit. A hot-water circuit as the source circuit is also the target circuit. In this case, only switching time programs P1 to P3 are copied among one another. Pressing the display. button causes an immediate return to the basic Pos: 40 /156-Honeywell/Bedienung/Blockprogrammierung @ Nm od\_1207645891978\_6.doc @ 9720 EN2H-0220GE51 R0308 43 Operation SDC / DHC Block programming The copy function enables a source day to be copied to any target days or to all days of the week (week programming). All cycles of the source day are copied. Individual heating cycles cannot be copied.

Select heating circuit: HC MC -1 MC -2 DHW Default time Copy circuit Select program: P1 P2 P3 1) Select copy function: Mo Hcy-1 Mo Hcy-2 Mo Hcy-3 Tu Hcy-1 We Th Fr Sa Su Hcy-3 Copy day HC MC-1 MC-2 DHW 1) Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit Program selection for source and target circuits are skipped if programs P2 and P3 are disabled in the "System Parameter" menu. 44

EN2H-0220GE51 R0308 SDC / DHC Operation Copy day Select source day: Example: Monday Copy from Mo Mo ... Su Select first target day: Example: Tuesday Copy source day to first target day: Acknowledge: Source day Copy to Mo Tu 1 target day or 1-7 (Mo ... Su) or 1-5 (Mo ... Fr) or 6-7 (Sa ... Su) Copy day OK Tuesday as with Monday Source day Select second target day: Example: Wednesday Copy source day to second target day Acknowledge: Copy to Mo We Second target day Copy day OK Wednesday as with Monday Select and copy other target days if necessary Return to the basic display: EN2H-0220GE51 R0308 45 Operation SDC / DHC Pos: 41 /156-Honeywell/Bedienung/Kopieren\_von\_Heizkreisen @ Nm od\_1207645944978\_6.doc @ 9735 Copying heating circuits NOTE Heating circuits cannot be copied to hot-water circuits since they have different cycle temperatures: If a heating circuit is selected as the source circuit, the hot-water circuit can no longer be called up as the target circuit.

The hot-water circuit as the source circuit is also the target circuit. In this case, only programs of the hotwater circuit are copied among one another if they were enabled in the "System Parameter" menu. Select copy function: HC MC-1 MC-2 DHW Default time Copy circuit Select source circuit: Source circuit HC Select source circuit Source circuit HC P1 program: Select Target circuit target circuit: HC Source circuit MC -1 Source circuit MC -2 Source circuit MC -1 P2 Source circuit 1) MC -2 P3 Target circuit MC -1 Target circuit MC -2 Select target circuit program: Copy: Acknowledge: Target circuit MC -2 P1 Target circuit Target circuit 1) MC -2 P2 MC -2 P3 Copy -OK- Program P1 (direct heating circuit) = Program P2 (mixed heating circuit 2) Copy additional heating circuits if necessary Exit: Basic display 46 EN2H-0220GE51 R0308 SDC / DHC Operation HC MC-1 MC-2 DHW 1) Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit Program selection for source and target circuits are skipped if programs P2 and P3 are disabled in the "System Parameter" menu. Pos: 42 /156-Honeywell/Bedienung/Rueckladen\_von\_Standardprogramm en @ Nm od\_1207646077806\_6.doc @ 9750 4.2.2.4.4 Reloading default programs See flowchart on pg. 49 Individually created switching time program P1, P2 or P3 can be overwritten with the original default switching time program P1, P2 or P3. For this purpose, select the DEFAULT-TIME function within the heating circuit selection after accessing the "Timeprograms" menu. After confirming by pressing the input button , the circuit dedicated to reloading appears flashing (HC, MC-1, MC-2, ALL). If the automatic programs P1, P2 and P3 (see "System Parameter" menu, program parameter = P1 to P3) were enabled, the desired switching time program P1, P2 or P3 of the heating circuit affected by the reload can be selected.



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If not enabled, program selection is skipped. Resetting then occurs by pressing and holding the input button approx.

5 s until acknowledgement appears in the display. Resetting is confirmed by acknowledging COPY OK. The DEFAULT-TIME function is then called up again to replace other circuits with their default programs if necessary. EN2H-0220GE51 R0308 47 Operation SDC / DHC ATTENTION With the setting value ALL, all heating circuits and the hotwater circuit are overwritten with their default switching times with regard to the selected program. When overwriting occurs, individually created switching time programs are permanently lost and must be recreated from scratch. Pressing the display button causes an immediate return to the basic 48 EN2H-0220GE51 R0308 SDC / DHC Operation Reloading default programs Switching time programs P2 and P3 disabled HC MC-1 MC-2 DHW Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit EN2H-0220GE51 R0308 49 Operation SDC / DHC Reloading default programs Switching time programs P2 and P3 enabled DHW HC MC-1 MC-2 DHW Direct heating circuit Mixed heating circuit 1 Mixed heating circuit 2 Hot-water heating circuit Pos: 43 /156-Honeywell/Bedienung/Menue\_System parameter @ \Nm od\_1207646151510\_6.doc @ 9765 50 EN2H-0220GE51 R0308 SDC / DHC Operation 4.2.3 "System Parameters" menu The system parameters refer to general limiting parameters and specification values within the heating system.

Access Returning See 4.2 Menu-selection level, pg. 31 Returning to the basic display takes place by pressing the button or automatically after the set information time (see 4.1.2.

7 "System information" button, pg. 26). Pos: 44 /156-Honeywell/Bedienung/Sprachwahl @ \Nmod\_1207646189369\_6.doc @ 9780 4.2.

3.1 Language selection Several languages can be selected for all information that appears in the display. After selecting the language and confirming it by pressing the input button, additional communication takes place in the respective language. Setting values DE GB FR IT NL ES PT HU CZ PL RO RU TR S N German English French Italian Dutch Spanish Portuguese Hungarian Czech Polish Romanian Russian Turkish Swedish Norwegian Factory setting German Pos: 45 /156-Honeywell/Bedienung/Zeitprogramm @ \Nmod\_1207646219572\_6.doc @ 9795 EN2H-0220GE51 R0308 51 Operation SDC / DHC

4.2.3.2 Time program This parameter specifies enabling of the switching time programs for program selection and for individualised switching time programming. In the state of delivery, only one switching time program is enabled. This achieves simplification of operation with a large portion of applications for which only one switching time program is used.

Set values P1 P1 to P3 Program 1 = enabled, programs 2 and 3 = disabled All three programs enabled Factory setting Effects P1 In contrast to the previous description, the following setting options are available when programs P1 to P3 are enabled: Operating mode selection: In the AUTOMATIC and SUMMER operating modes, switching time program P1, P2 or P3 can be selected. Switching time programming: With switching time programming, the three switching time programs, P1 to P3, can be selected for each heating circuit. Pos: 46 /156-Honeywell/Bedienung/Bedienmodus @ \Nm od\_1207646570291\_6.doc @ 9840 4.2.3.3 Operating mode Two operating modes can be selected. They determine whether the operating mode, the daytime temperature and the night-time temperature apply for all heating circuits or can be specified individually for each heating circuit. Setting range Set values 1, 2 1 2 The selected setting applies for all heating circuits together. Each heating circuit can be assigned an individualised setting.

Factory setting 1 Pos: 47 /156-Honeywell/Bedienung/Individuelle\_Tages-Raumtemperatur @ \Nm od\_1207646601885\_6.doc @ 9855 52 EN2H-0220GE51 R0308 SDC / DHC Operation 4.2.3.3.

1 Individualised daytime room temperature for each heating circuit Press button. Select desired heating circuit (HC, MC-1 or MC-2) by turning the input button. Confirm selected circuit by pressing the input button. Set flashing room temperature specification to the desired value by turning the input button. Confirm set value by pressing the button.

Alternative: Automatic acceptance of the value after the set information time (see 4.1.2.7 "System information" button, pg. 26). Setting C Setting range Factory setting 5 ... 30 C 20 C Pos: 48 /156-Honeywell/Bedienung/Individuelle\_Nacht-Raumtemperatur @ \Nm od\_1207646643760\_6.doc @ 9870 4.

2.3.3.2 Individualised night-time room temperature for each heating circuit Press button. Select desired heating circuit (HC, MC-1 or MC-2) by turning the input button. Confirm selected circuit by pressing the input button. Set flashing room temperature specification to the desired value by turning the input button. Confirm set value by pressing the button. Alternative: Automatic acceptance of the value after the set information time (see 4.1.

2.7 "System information" button, pg. 26). Setting C Setting range Factory setting 5 ..

. 30 C 16 C Pos: 49 /156-Honeywell/Bedienung/Individuelle\_Betriebsart @ \Nm od\_1207646682213\_6.doc @ 9885 EN2H-0220GE51 R0308 53 Operation SDC / DHC 4.2.3.

3.3 Individualised operating mode for each heating circuit Each heating circuit can be assigned an individualised operating mode. Setting Press button. Select desired heating circuit (HC, MC-1 or MC-2) by turning C the input button. Confirm selected circuit by pressing the input button. Select flashing operating mode by turning the input button. Confirm set operating mode by pressing the input button. With short-term operating modes (ABSENT, PARTY), set desired target value by turning the input button and confirm set value by pressing the input button. Alternative: Automatic acceptance of the value after the set information time (see 4.1.

2.7 "System information" button, pg. 26). button or the Pos: 50 /156-Honeywell/Bedienung/Sommer\_Heizgrenze @ \Nm od\_1207647058244\_6.doc @ 9900

4.2.3.4 Summer / Heating limit This parameter specifies the end of heating operation depending on the outside temperature based on the following criteria: Quick increase in outside temperature If the averaged outside temperature is below the set value and the current outside temperature is 2 K above the set value, heating operation is interrupted. Slow increase in outside temperature Deactivation is also initiated when the averaged and current outside temperature exceeds the set value. 54 EN2H-0220GE51 R0308 SDC / DHC Operation Undoing deactivation Deactivation is undone when the averaged and current outside temperature exceeds the set value by 1 K.

The summer deactivation function is undone: NOTE In case of an outside sensor defect In case frost protection is active During deactivation phases (standby mode, manual summer operation, summer deactivation) lasting longer than 24 hours all pumps are switched on for approx.



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20 s and the mixers are temporarily opened during this time to protect against blocking by corrosion. In connection with a second outside sensor, the current averaged outside temperature is accepted for summer deactivation if the average value of both sensors is specified during outside sensor assignment. Active summer deactivation is represented by a beach umbrella symbol in the basic display. Only active in the AUTOMATIC operating mode.

Factory setting Setting range 20 C OFF, set value of system frost protection to 40 C Pos: 51 /156-Honeywell/Bedienung/Parameter-Reset @ Nm od\_1207647099619\_6.doc @ 9915 4.2.3.5 Parameter reset With the reset parameter, it is possible to reset any inadvertently made changes in the parameter menu to the factory setting.

ATTENTION A reset should only be carried out if all individually entered values are to be replaced by the values specified at the factory. Setting When the PARAM. RESET display flashes, press the input button . SET flashes in the display. Press and hold the input button for 5 s. EN2H-0220GE51 R0308 55 Operation SDC / DHC If a reset is carried out, the RESET OK confirmation appears briefly. Verification is then started with a call-up of the first parameter in the respective menu once again. After the parameter values are reset, a return to the first parameter in the "System Parameter" menu occurs. Pos: 52 /156-Honeywell/Bedienung/Menue\_Warmwasser @ Nm od\_1207647138228\_6.doc @ 9930 4.

2.4 "DHW" menu This menu contains all parameters required to program the hotwater circuit, except the hot-water switching time programs. Pos: 53 /156-Honeywell/Bedienung/Warm wassert-Nachttemperatur @ Nm od\_1207647183619\_6.doc @ 9945 4.2.4.1 Night-time hot-water temperature This parameter specifies the temperature in the hot-water generator between the operational-readiness times in automatic mode. Factory setting Setting range NOTE 40 C 5 C to set normal hot-water temperature value If a hot-water thermostat (see parameter 05 = transducer for hotwater circuit) is used to detect the hot-water temperature, this parameter is skipped. Pos: 54 /156-Honeywell/Bedienung/Legionellenschutz\_Tag @ Nmod\_1207647218838\_6.doc @ 9960 4.2.4.2 Factory setting Setting range Set values Legionella protection day OFF OFF, MO to SU, ALL OFF MO to SU The legionella protection function is not active. @@@@Max. @@@@52).

The flow temperature is determined based on the lowered room temperature from the associated reduced heating curve. The set maximum temperature is not undershot. Application Building with minimal insulation values and high cooling loss. EN2H-0220GE51 R0308 57 Operation SDC / DHC ECO (switch-off operation) During reduced operation, the direct heating circuit is switched off completely with outside temperatures above the set frostprotection limit. The maximum heat generator temperature is not functional.

The heating circuit pump is switched off after a delay to avoid safety deactivation by reheating the heat generator (pump follow-up). If the outside temperature is or becomes lower than the specified outside temperature frost-protection limit, the controller switches from deactivated (deactivation mode) to lowered lowering operation and controls the heating circuit temperature based on the set lowering curve taking the set minimum heat generator specification into account. Application NOTE Building with high insulation values (full heating protection). The mode set here also applies for the ABSENT and RED.

HEATING operating modes. Pos: 57 /156-Honeywell/Bedienung/Heizsystem @ Nmod\_1207647329666\_6.doc @ 10005 4.2.5.2 Heating system This parameter refers to the type of the heating system (floor, radiator or convector heating) and can be matched to the exponent of the respective heat distributor.

Using its progressive characteristics, the set value determines the curve characteristics of the heating curve of the direct heating circuit and compensates for the losses in output in the low-temperature range with it. The following settings are recommend depending on the type of heating system: 1,1 1,3 2 >3 Slightly progressive heating curves for floor or other area heating. Progressive standard heating curves for all radiator heating with m-values between 1.25 and 1.35.

Progressive heating curves for convector and baseboard heating. Heavily progressive heating curves for general ventilator applications with high starting temperatures. 58 EN2H-0220GE51 R0308 SDC / DHC Operation Factory setting 1,3 1,1 (radiator systems) (floor heating) with mixed heating circuits Setting range 1 ...

10 Pos: 58 /156-Honeywell/Bedienung/Stoerm eldungen @ Nmod\_1207647364681\_6.doc @ 10020 4.3 Error messages ATTENTION Inform the heating technician whenever any fault messages are output. The control device contains substantial error-notification logic. The error messages appear in continuous alteration with the basic display.

Multiple errors that occur at the same time appear one after another in the order in which they occurred. The following types of error message exist: Sensor error messages Sensor measured values that do not lie in the measurement range are evaluated as an interruption or short-circuit. They appear depending on the type and allocation with fault code 10 to 20 and index 0 for short-circuit or 1 for interruption. These error messages evaluate the respective switching status. They appear depending on the type and allocation with fault code 30 to 40 and index 0, 1 or 2.

These error messages evaluate the control result to be expected. They appear depending on the type and allocation with fault code 50 to 60 and index 0, 1 or 2. These error messages refer to address faults such as double issuance or non-recognition of address settings on the data bus. They appear with fault code 70 and index 0 or 1, depending on the type and assignment. Heat generator error messages Logical error messages Bus error messages Pos: 59 /156-Honeywell/Protokoll/Protokoll @ Nm od\_1206969686157\_6.doc @ 9072 EN2H-0220GE51 R0308 59 Log SDC / DHC 5 Log Weekly switching program Object: Mon (1) Cont. circuit Time Setpoint Opt. Tue (2) Cont. circuit Time Setpoint Opt. Wed (3) Cont.

circuit Time Setpoint Opt. Thu (4) Cont. circuit Time Setpoint Opt. Fri (5) Cont. circuit Time Setpoint Opt. Sat (6) Cont. circuit Time Setpoint Opt. Sun (7) Cont. circuit Time Setpoint Opt. ===== Ende der Stckliste ===== Set by: On: 60 EN2H-0220GE51 R0308 SDC / DHC Log EN2H-0220GE51 R0308 61

Log SDC / DHC 62 EN2H-0220GE51 R0308 Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Srl, Ecublens, Route du Bois 37, Switzerland by its Authorized Representative: Automation and Control Solutions Honeywell House Arlington Business Park Bracknell, Berks, RG12 1EB Phone (44) 1344 656000 Fax (44) 1344 656644 <http://honeywell>.



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