



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for THOMSON TS 830. You'll find the answers to all your questions on the THOMSON TS 830 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual THOMSON TS 830
User guide THOMSON TS 830
Operating instructions THOMSON TS 830
Instructions for use THOMSON TS 830
Instruction manual THOMSON TS 830



9087A - 198th Street, Langley, BC Canada V1M 3B1 • Telephone (604) 888-0110
Telefax (604) 888-3381 • E-Mail: info@thomsontechnology.com • www.thomsontechnology.com



[You're reading an excerpt. Click here to read official THOMSON TS 830 user guide](http://yourpdfguides.com/dref/3820532)
<http://yourpdfguides.com/dref/3820532>

Manual abstract:

3. PRODUCT REVISION HISTORY EQUIPMENT STORAGE NOTES TO INSTALLER 3.1. 3.2. 3.3. 3.4. 3.5. 3.6. 3.7.

@@@PRODUCT MODEL CODE 5 6 5. GENERAL THEORY OF OPERATION 5.1. 5.2.

STANDARD AUTOMATIC TRANSFER SWITCH TEST MODES 8 8 9 6. 7. @@@@MANUAL OPERATION 12 13 10. RECOMMENDED MAINTENANCE 11. FRONT VIEW (TYPICAL) 3 / 4 POLE 100A-400A TRANSFER MECHANISM (HS STYLE) 15 14 PM059 REV 6 08/05/05 Thomson Technology TS 830 TRANSFER SWITCH 12. FRONT VIEW (TYPICAL) 3 / 4 POLE 100A-400A TRANSFER MECHANISM (HS STYLE) (FRONT COVER REMOVED) 16 13.

FRONT VIEW (TYPICAL) 3 / 4 POLE 630A-800A TRANSFER MECHANISM (HS STYLE) 17 14. FRONT VIEW (TYPICAL) 3 / 4 POLE 630A-800A TRANSFER MECHANISM (HS STYLE) (FRONT COVER REMOVED) 18 15. FRONT VIEW (TYPICAL) 3 / 4 POLE 600A-1600A TRANSFER MECHANISM 16. CABLE TERMINAL INFORMATION 17.

ELECTRICAL RATINGS 18. TROUBLESHOOTING 19. REPLACEMENT PARTS 20. PRODUCT RETURN POLICY 21. NOTES 19 20 20 21 22 23 24 PM059 REV 6 08/05/05 Thomson Technology TS 830 TRANSFER SWITCH 1. PRODUCT REVISION HISTORY The following information provides an historical summary of changes made to this product since the original release. Operating & Service Manual Version Rev 6 08/05/05 Rev 5 07/10/10 Rev 4 07/03/26 Rev 3 04/12/21 Rev 2 04/03/10 Rev 1 03/04/15 Rev 0 02/12/20 Revision to add HS Style Mechanism 630A-800A Revision to add HS Style Mechanism 100-400A Revision to add MEC 310 controller Revisions to incorporate the new model coding. Revisions to mechanism style 1000A, 1200A & 1600A.

Revisions to text, dimensions, & cable specifications. Original release.

Contact Thomson Technology, to obtain applicable instruction manuals or if in doubt about any matter relating to installation, operation or maintenance. Soft copy of the most current version is available at www.thomsontechnology.com. NOTE: All information contained in this manual is for reference only and is subject to change without notice.

2. EQUIPMENT STORAGE The following procedures are required for correct storage of the transfer switch prior to installation. CAUTION!!! Failure to store equipment as specified may cause damage and void warranty. Before storing, unpack sufficiently to check for concealed damage. If concealed damage is found, notify Thomson Technology and the Carrier immediately.

Repack with the original, or equivalent packing materials. Protect from physical damage. Do not stack. Store indoor in a clean, dry, well-ventilated area free of corrosive agents including fumes, salt and concrete/cement dust. Apply heat as necessary to prevent condensation. The following storage temperature and humidity must be maintained: -20 to +70° Celsius, 95% Humidity non-condensing. PM059 REV 6 08/05/05 1 Thomson Technology TS 830 TRANSFER SWITCH 3. **NOTES TO INSTALLER** Before opening the transfer switch enclosure to perform any service task, or to manually transfer the mechanism, it is imperative to isolate the transfer switch from any possible source of power. Failure to do so may result in serious personal injury or death due to electrical shock. CAUTION!!! All installation and/or service work performed must be done by qualified personnel only.

Failure to do so may cause personal injury or death. **3.1. ELECTRICAL CONNECTIONS** To ensure satisfactory installation of this equipment be sure to observe "Cable Terminal Information" regarding power cable connection tightness located in this manual. All mechanical and electrical connections must be checked for tightness prior to placing this equipment in service to ensure proper operation and to validate applicable warranty coverage. **3.2. TRANSFER SWITCHES WITH ADJUSTABLE OVER CURRENT PROTECTION** Standard models of automatic transfer switches incorporate integral over current protection. Transfer switches rated 1000A or higher are supplied with adjustable over current protection trip units. For models of transfer switch with integral over current protection, the over current protection must be set prior to operation.

The equipment will be shipped from the factory with a long-time current setting of 100% (of the equipment rating) and maximum shorttime/instantaneous current and time delay settings. WARNING! Do Not Energize this equipment until device settings have been verified to ensure proper coordination. system protection & Failure to do so may result in equipment failure. Refer to Section 5.1.

3 of this manual for additional information on operation of the Transfer switch following an over current trip condition. PM059 REV 6 08/05/05 2 Thomson Technology TS 830 TRANSFER SWITCH Refer to information supplied with the transfer switch documentation package for adjustment procedures on the power switching units over current protection trip unit. Contact the factory if any additional information is required. 3.3.

TRANSFER SWITCHES WITH MULTI-TAP VOLTAGE CAPABILITY If the transfer switch has programmable multi-tap voltage capability confirm the transfer switch has been configured for the correct system voltage prior to installation. WARNING! Failure to confirm and match transfer switch voltage with the system voltage could cause serious equipment damage. The voltage selections and connections are shown on the engineered drawings attached to each transfer switch. The factory default settings will be indicated on the calibration label attached on the inside of the enclosure door (supplied loose on open style models). A blank label is included to record the applicable settings if the configuration is changed from the factory default settings. To change the transfer switch configuration the following must be accomplished: · Change voltage taps on potential transformers (PT's) to correct system voltage (refer to drawings) · Change program setting in the applicable controller used on the transfer switch (e.g. TSC 80, TSC 800, MEC 2, MEC 20, MEC 310) for nominal system voltage. Refer to the applicable controller instruction manual for further information. · Once the PT voltage taps and controller has been re-programmed to correct operating voltage, the "control circuit isolation plug" on the mechanism, may be reconnected, prior to voltage energization.

3.4. SYSTEM PHASING-HIGH LEG DELTA SYSTEMS For systems using high leg delta 240V 3 phase 4 wire systems, connection of supply conductors must have the correct phasing as shown below. WARNING! Failure to match correct system phasing will result in serious damage to the controller. PM059 REV 6 08/05/05 3 Thomson Technology TS 830 TRANSFER SWITCH Autom atic Transfer Switch (Utility Supply) PH A (UA) PH B (UB) PH C (UC) Neural (N) B (Orange) (High Leg) 240V 208V 240V A (Red) 120V 120V C (Yellow) N (White) CAUTION!!! All installation and/or service work performed must be done by qualified personnel only. Failure to do so may cause personal injury or death. Where transfer switches are supplied without power isolation transformers (PT1 & PT2) for ATS control logic it is essential that the orientation of phase conductors of the supply source be arranged such that the phase of highest potential with respect to ground is not connected to the power supply inputs to the controller (The A Phase for both supplies).



[You're reading an excerpt. Click here to read official THOMSON TS 830 user guide](http://yourpdfguides.com/dref/3820532)
<http://yourpdfguides.com/dref/3820532>

Failure to do so will result in equipment damage. Per NEC Article 384-3 (f) "The B phase shall be that phase having the higher voltage to ground on a 3-phase, 4-wire delta connected systems." 3.

5. REMOTE START CONTACT FIELD WIRING For applications using TSC 80, 800 controllers, as a minimum, the remote engine start control field wiring shall conform to the local regulatory authority on electrical installations. Field wiring of a remote start contact from a transfer switch to a control PM059 REV 6 08/05/05 4 Thomson Technology TS 830 TRANSFER SWITCH panel should conform to the following guidelines to avoid possible controller malfunction and/or damage. 3.5.

1. Minimum #14 AWG (2.5mm²) wire size shall be used for distances up to 500ft (150m)1). For distances exceeding 500 ft. (150m) consult Thomson Technology.

3.5.2. Remote start contact wires should be run in a separate conduit. 3.5.3. Avoid wiring near AC power cables to prevent pick-up of induced voltages. 3.5.

4. An interposing relay may be required if field-wiring distance is excessively long (i.e. greater than 500 feet (150m) and/or if a remote contact has a resistance of greater than 5.0 ohms. 3.5.5. The remote start contact must be voltage free (i.e. dry contact). The use of a "powered" contact will damage the transfer controller. 3.6. DIELECTRIC TESTING Do not perform any high voltage dielectric testing on the transfer switch with the controller connected into the circuit, as serious damage will occur to the controller.

All AC control fuses and/or control circuit breakers or control circuit isolation plugs connected to the controller must be removed if high voltage dielectric testing is performed on the transfer switch. 3.7. INSTALLATION OF OPEN TYPE TRANSFER SWITCHES Please contact Thomson Technology for additional information. 4.

GENERAL DESCRIPTION Thomson Technology TS 830 series of Automatic Transfer Switches employ two mechanically interlocked enclosed contact power switching units and a microprocessor based controller to automatically transfer system load to a generator supply in the event of a utility supply failure. System load is then automatically re-transferred back to the utility supply following restoration of the utility power source to within normal operating limits. Transfer switches with MEC 2, MEC 20 or MEC 310 controllers installed have integral engine-genset auto start control & monitoring features and therefore these applications do not require an engine-mounted auto start control panel. The standard TS 830 series Automatic Transfer Switch is rated for 100% system load and does not require upstream over current protection. Refer to Section 6 of this manual for detailed information on over current protection. PM059 REV 6 08/05/05 5 Thomson Technology TS 830 TRANSFER SWITCH The TS 830 series transfer switch may be supplied with type TSC 80, TSC 800, MEC 310 or MEC 20 controllers as specified at equipment order. All controllers are microprocessor based which provides all necessary control functions for fully automatic operation. The controllers are mounted on the door of the transfer switch enclosure and operating status is shown via LED lights and/or LCD display dependent upon controller type. For further information on the controller utilized, refer to separate instruction manuals. The power switching devices used for the Utility and Generator sources are operated by an electrically driven motor mechanism in the transfer switch.

The transfer switch motor utilizes the power from the source to which the electrical load is being transferred. The mechanism provides a positive mechanical interlock to prevent both power switching units from being closed at the same time, which allows an interrupted "break-before-make" transfer sequence. Note:

For the purpose of this manual, the following standard nomenclature is utilized: · · · Utility: to indicate the source of primary power Generator: to indicate the source of standby power Power switching device: to indicate the transfer switch power switching device 4.1. PRODUCT MODEL CODE The type of TS 830 series transfer switch supplied is identified by way of a 21 digit product code which appears on the equipment rating plate (MODEL) on the door of the transfer switch, and on the transfer switch drawings. The model code structure and definitions are as follows: PM059 REV 6 08/05/05 6 Thomson Technology TS 830 TRANSFER SWITCH 1 2 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 TS 1-3. SEadjustable from 0 to 30 min.), the Transfer to Generator Supply signal will be removed (contact opening), and then the Transfer to Utility Supply signal (contact closure) will be given to the transfer switch mechanism. The load will then retransfer the load from the generator supply back to the utility supply. Note: For transfer switches with TSC 80/800 controllers, a neutral delay timer circuit will delay the transfer sequence in the neutral position (i.

e. both power switching devices open) until the neutral time delay period expires (adjustable from 0 to 60 sec.). An engine cooldown timer circuit will be initiated once the load is transferred from the generator supply. Following expiry of the cooldown delay period (adjustable from 0 to 30 min.), the engine start signal will be removed (contact opening) to initiate stopping of the generator set. Note: For transfer switches with MEC 2/20, MEC 310 controllers, engine start signal is internal to the controller. PM059 REV 6 08/05/05 8 Thomson Technology TS 830 TRANSFER SWITCH 5.1.2.

OVER CURRENT TRIP (TSC 80/TSC 800 CONTROLLERS) Should the utility power switching device trip open due to an over current condition, TSC 80 or TSC 800 transfer controller will initiate an engine start signal and will permit transfer of the load to the generator supply. The utility source will be locked out and the load will remain on the generator supply until the TSC 80/TSC 800 alarm signal is manually reset. @@@@The generator must be started and transferred on load manually. @@@@WARNING! @@@@All fasteners are adequately tightened. @@Corroded or loose power connections will cause destructive heating, and may cause premature tripping. · · · All insulating devices are in place and in good condition. No moisture or other contamination is present. Electrical conductors are adequately secured away from moving parts. On HS style transfer switch mechanisms, check nylock nuts on bolt pivot points. Operation arms should move freely without excessive play.

7.3. To maintain operational integrity, ensure that: · · All control devices are in good condition and correctly calibrated. All control devices are adequately secured in their plug-in fixtures. Full operational Only qualified personnel should undertake service work. Failure to correctly maintain an automatic transfer switch may present a hazard to life and equipment.



[You're reading an excerpt. Click here to read official THOMSON TS 830 user guide](http://yourpdfguides.com/dref/3820532)

<http://yourpdfguides.com/dref/3820532>

maintenance or repair. testing must be done prior to placing a transfer switch in service subsequent to any Any service work involving electrical components requires highpotential testing to ensure that required insulation levels have been maintained. 8. TRANSFER SWITCH MECHANISM 100 - 800 Amp (HS

Style) Note: Refer to product drawings in sections 11-14for identification of Transfer Switch Mechanism style supplied with the Transfer Switch. The transfer mechanism consists primarily of the transfer gear motor, a drive hub assembly, and two power switching device operating arms. The reversible transfer gear motor drives the drive hub assembly, which in turn moves the power switching device operating arms. The power switching device toggles are set inside the operating arm slots and are moved by them. There are two limit switches, which are contacted by the Should limit switch adjustment be operating arms (one for each direction of travel), which disconnect the transfer motor power supply when the power switching devices have attained full travel. The transfer switch mechanism has three possible positions: a) Utility power switching device closed and generator power switching device open; 11 Thomson Technology required, it is advisable to consult Thomson Technology for further information.

PM059 REV 6 08/05/05 TS 830 TRANSFER SWITCH b) c) Generator power switching device closed and utility power switching device open; Both utility and generator power switching devices open, but NEVER both utility and generator power switching devices closed at the same time. 8.1. MANUAL OPERATION DANGER!!!! Arc Flash and Shock Hazard. Will cause severe injury or death.

Do not open equipment until ALL power sources are disconnected This equipment must be installed and serviced only by qualified electrical personnel utilizing safe work practices and appropriate Personal Protective Equipment (PPE). Failure to do so may cause personal injury or death Isolate the transfer switch from all sources of supply before opening the enclosure for manual operation. With all sources of power de-energized to the transfer switch, the control circuit isolation plug can be unplugged to prevent subsequent operation. The control circuit isolation plug is located on the inner side of the transfer switch enclosure door. To operate manually, turn the operating handle on the front of the mechanism and rotate to the desired position. Automatic operation may be regained by replacing the control circuit isolation plug. With all sources of power de-energized to the transfer switch, the control circuit isolation plug can be re-connected. The drive system will operate the transfer switch to the required position. 9. TRANSFER SWITCH MECHANISM 1000A- 1600 Amp (T Style) The transfer mechanism consists primarily of the transfer motor, a hub assembly, two operating rods and two power switching device operating yokes.

The reversible transfer motor drives the hub assembly, which in turn moves the operating rods that are connected to the power switching device operating yokes. The power switching device toggles are set inside the yokes and are moved by them. There are two limit switches, which are contacted by the operating yokes (one for each direction of travel), which disconnect the transfer motor power supply when the power switching devices have attained full travel. The adjuster screws located on PM059 REV 6 08/05/05 12 Thomson Technology TS 830 TRANSFER SWITCH the yoke determines the operating point of these limit switches. Should adjustment be required, it is advisable to consult Thomson Technology for further information. The transfer switch mechanism has three possible positions: a) b) d) Utility power switching device closed and generator power switching device open; Generator power switching device closed and utility power switching device open; Both utility and generator power switching devices open, but NEVER both utility and generator power switching devices closed at the same time. 9.1. MANUAL OPERATION (See CAUTION! on Page #2) Isolate the transfer switch from all sources of supply before opening the enclosure for manual operation. With all sources of power de-energized to the transfer switch, the control circuit isolation plug (PL12) can be unplugged to prevent subsequent operation.

To operate manually, pull the release plunger and operate the handle in the desired direction. Automatic operation may be regained by replacing the isolation plug. With all sources of power de-energized to the transfer switch, the control circuit isolation plug (PL12) can be reconnected. The drive system is self-engaging and will operate the transfer switch to the required position. (See manual operation instruction on front of transfer switch mechanism.

) PM059 REV 6 08/05/05 13 Thomson Technology TS 830 TRANSFER SWITCH 10. RECOMMENDED MAINTENANCE (See CAUTION! on Page #2) 10.1. 10.2.

10.3. DO NOT perform dielectric tests on the equipment with the control components in the circuit. Check if control components are tight in sockets. Periodically inspect all terminals (load, line and control) for tightness. Re-torque all bolts, nuts and other hardware. Clean or replace any contact surfaces that are dirty, corroded or pitted. 10.4. Transfer switches should be in a clean, dry and moderately warm location.

If signs of moisture are present, dry and clean transfer switch. If there is corrosion, try to clean it off. If cleaning is unsuitable, replace the corroded parts. Should dust and/or debris gather on the transfer switch, brush, vacuum, or wipe clean. DO NOT blow dirt into power switching devices. 10.5. Test the transfer switch operation. @@Ensure that the power switching device travel is correct. 10. 6. 10.7. 10.8.

@@@@@If lubrication is necessary, apply medium weight (SAE 20) oil sparingly. 10.9. Transfer Mechanism 1000A-1600A (T-Style) - yoke pivot bearings and rod ends are permanently lubricated and do not require maintenance. 10.

10. The motor and gearbox are permanently lubricated, and should not require attention under normal operating circumstances. PM059 REV 6 08/05/05 14 Thomson Technology TS 830 TRANSFER SWITCH 11. FRONT VIEW (TYPICAL) 3 / 4 POLE 100A-400A TRANSFER MECHANISM (HS Style) PM059 REV 6 08/05/05 15 Thomson Technology TS 830 TRANSFER SWITCH 12. FRONT VIEW (TYPICAL) 3 / 4 POLE 100A-400A TRANSFER MECHANISM (HS Style) (Front Cover Removed) PM059 REV 6 08/05/05 16 Thomson Technology TS 830 TRANSFER SWITCH 13. FRONT VIEW (TYPICAL) 3 / 4 POLE 630A-800A TRANSFER MECHANISM (HS Style) PM059 REV 6 08/05/05 17 Thomson Technology TS 830 TRANSFER SWITCH 14. FRONT VIEW (TYPICAL) 3 / 4 POLE 630A-800A TRANSFER MECHANISM (HS Style) (Front Cover Removed) PM059 REV 6 08/05/05 18 Thomson Technology TS 830 TRANSFER SWITCH 15. FRONT VIEW (TYPICAL) 3 / 4 POLE 600A-1600A TRANSFER MECHANISM PM059 REV 6 08/05/05 19 Thomson Technology TS 830 TRANSFER SWITCH 16.



[You're reading an excerpt. Click here to read official THOMSON TS 830 user guide](http://yourpdfguides.com/dref/3820532)
<http://yourpdfguides.com/dref/3820532>

CABLE TERMINAL INFORMATION CONNECTION TIGHTNESS (In-lbs) TERMINAL MOUNTING SCREW 120 150 72 72 110 375 375 375 CABLE CLAMP 50 275 275 275 375 375 375 375 TERMINAL RATING BASIC MODEL QTY PER PHASE RANGE #24/0 #6350MCM 2/0500MCM 2/0500MCM 2/0500MCM 4/0500MCM 4/0500MCM #2600MCM TS 83xA-0100 TS 83xA-0250 TS 83xA-0400 TS 83xA-0630 TS 83xA-0800 TS 83xA-1000 TS 83xA-1200 TS 83xA-1600 1 1 1 1 1 1 1 1 2 3 4 4 4 1. Optional terminal ratings are available in some models Consult Thomson Technology.

2. For other model types not shown, contact Thomson Technology for further information. 17. ELECTRICAL RATINGS 100A 250A (HS style) 400A (HS Style) 630A (HS Style) 800A (HS Style) MODEL TYPE 1000/1200A (T Style) 1600A (T Style) (HS Style) Rated short circuit breaking capacity (Icu) kA @400V Withstand rating fuse protected (kA) Rated service short circuit breaking capacity (Ics) kA @400V Mechanical endurance (Number of Operations) 50 100 65 100 65 100 80 100 65 100 50 100 50 100 42 48 48 60 48 50 50 7000 6000 4000 4000 4000 2500 2500 PM059 REV 6 08/05/05 20 Thomson Technology TS 830 TRANSFER SWITCH 18. TROUBLESHOOTING CAUTION!!! All trouble shooting/ service work performed must be done by qualified personnel only.

Failure to do so may cause personal injury or death. Note: An optional hand held, plug-in Service Display Module (SDM) is available for the TSC 80 Transfer Controller. The SDM module provides an LCD screen to display additional detailed information on the operation and settings of the TSC 80 controller for simplified servicing/trouble shooting procedures. For detailed information, refer to the separate SDM module instruction manual (PM065). Symptom Will not re-transfer to utility source upon restoration Will not transfer to generator source upon failure of utility source Possible Causes Isolation plug out A test mode has been activated (check controller) Utility voltage is below the pre-programmed limits (check utility source for adequate voltage) A loose control connection Faulty motor limit switch Defective motor Controller has incorrect voltage programming jumper setting for correct system voltage Defective controller (verify output signals with circuit board mounted diagnostic LED's) TSC 80/800 Controller has "Transfer Fail" alarm activated as indicated by flashing Load on Utility LED.

Determine cause of alarm and rectify before TSC is reset Isolation plug out Generator set not producing enough voltage/frequency or output circuit breaker open Controller has incorrect voltage programming jumper setting for correct system voltage Warm-up time delay function has not timed out yet (verify controller timer setting) A loose control connection Faulty motor limit switch Defective motor Defective controller (verify output signals with circuit board mounted diagnostic LED's) TSC 80/800 Controller has "Transfer Fail" alarm activated as indicated by flashing Load on Generator LED. Determine cause of alarm and rectify before TSC 80 is reset A test mode has been activated Utility supply voltage is slightly below voltage sensing setpoints. 21 Thomson Technology Transfer to generator source without a power failure in the utility source PM059 REV 6 08/05/05 - TS 830 TRANSFER SWITCH Symptom Will not re-transfer to utility source upon restoration Possible Causes Isolation plug out Verify controller has correct voltage programming jumper setting for system voltage Defective controller (verify output signals with circuit board mounted diagnostic LED's) TSC 80/800-Utility power switching device has tripped due to an over current condition and controller alarm activated as indicated by flashing Load on Utility LED. Determine cause of alarm and rectify before controller is reset. Verify remote engine control panel is set for automatic mode - Generator does not start up or stop when it should No time delay when there should be Power is not available at the load terminals but the utility or generator power switching device appears to be closed to a live source - - Verify time delay setting of the controller The power switching device's over current protection unit has opened due to a fault on the system.

". Correct the fault, and manually reset the power switching device in the transfer switch by moving it off and then on again with the manual operating handle Limit switch incorrectly adjusted Limit switch failure or improper adjustment has failed to disconnect motor Binding or jamming of the transfer mechanism The transfer switch has completed a transfer, but the motor has overheated and the internal thermal protector has opened - - 19. REPLACEMENT PARTS

Replacement parts are available for the transfer switch as follows: Note When ordering replacement parts please provide the following information: -Transfer Switch Model code (e.g. TS 873AA0200AS) -Transfer Switch Serial Number (e.

g. W-022345) The above information can be found on the transfer switch equipment rating plate located on the outside of the ATS door. PM059 REV 6 08/05/05 22 Thomson Technology TS 830 TRANSFER SWITCH Component Description MEC 310 Controller TSC 80 Controller Board Thomson Technology Part Number MEC310AXX1 005712 Comments Must configure program settings to match original controller settings Must set Program Jumper prior to use. Refer to TSC 80 Instruction Manual. Contact Thomson Technology Service Dept for installation procedures. TSC 80 Lexan Faceplate 005336 TSC 80 Rear Cover Limit Switch 1 n/o, 1 n/c (all ATS Models) 005707 004929 Must install and adjust for proper operation before use. Contact Thomson Technology Service Dept for installation/adjustment procedures Transfer Switch Motor (T Style (1000A-1200A) 120V 1/10 hp 1 PH 120VAC Auxiliary Plug-in Relay, 11 pin Square (UX/GX) 120VAC Auxiliary Plug-in Timer 100VA Control Transformer 001075 Motor is supplied with gear box assembly. Contact Thomson Technology Service Dept for installation procedures Must ensure coil voltage is correct Must ensure coil voltage is correct 001278 001515 002159 For other parts not listed, please contact Thomson Technology. 20. PRODUCT RETURN POLICY Thomson Technology uses a Return Material Authorization (RMA) process.

Please complete the Return Authorization Request Form (available on our web page) for return of goods, warranty replacement/repair of defective parts, or credit consideration and fax to the appropriate department. Returns only: Sales Fax (604) 888-5606 Warranty replacement/Warranty Repair: Service Fax (604) 888-3370. Upon receipt of your request, Thomson Technology will confirm with a copy of our Order Acknowledgement via fax advising the RMA number which should be used to tag the defective controller prior to shipment. PM059 REV 6 08/05/05 23 Thomson Technology TS 830 TRANSFER SWITCH

21.



[You're reading an excerpt. Click here to read official THOMSON TS 830 user guide](http://yourpdfguides.com/dref/3820532)

<http://yourpdfguides.com/dref/3820532>

