



BroadBand CTELCH1/CTELAM1 Options

Status Monitor Cheetah Interface Module

Status Monitor AM Languard Interface Module

Installation Guide

Chapter 1 General Information

The CTELCH1 Interface Module or the CTELAM1 Option Status Monitor Language Interface Module are required for monitoring an FLM/SLM power supply as part of complete status monitoring in a telecommunications system.

Safety

This Safety Guide contains important instructions that should be followed during installation and maintenance of the APC equipment. It is intended for APC customers who setup, install, relocate, or maintain APC equipment. **Changes and modifications to this unit not expressly approved by APC could void the warranty.**

Failure to observe these warnings may result in serious injury, death or damage to the equipment.

Electrical Warnings

Do not work alone under hazardous conditions.

Do not handle any metallic connector before the power has been disconnected.

Servicing this equipment may require working with protective covers removed and utility power connected. Use extreme caution during these procedures.

High circuit current through conductive materials could cause severe burns.

When grounding cannot be verified, disconnect the equipment from the utility power outlet before installing or connecting to other equipment. Reconnect the power cord only after all connections are made.

Check that the power cord(s), plug(s), and sockets are in good condition.

Replacement of fuses or other parts must be with identical types and ratings. Substitution of nonidentical parts may cause safety and fire hazards.

Chapter 2 Installation and Maintenance

Unpacking

Inspect the unit upon receipt. Notify the carrier if there is damage.

The packaging is recyclable; save it for reuse or dispose of it properly.

The package contains:

- CTELCH1/CTELAM1 Transponder Interface Module
- CTELCH1/CTELAM1 Transponder Status Monitoring Harness Assembly
- RF ½” to “F” Adapter Plate
- CTELCH1/CTELAM1 Transponder Mounting Bracket
- Associated Hardware

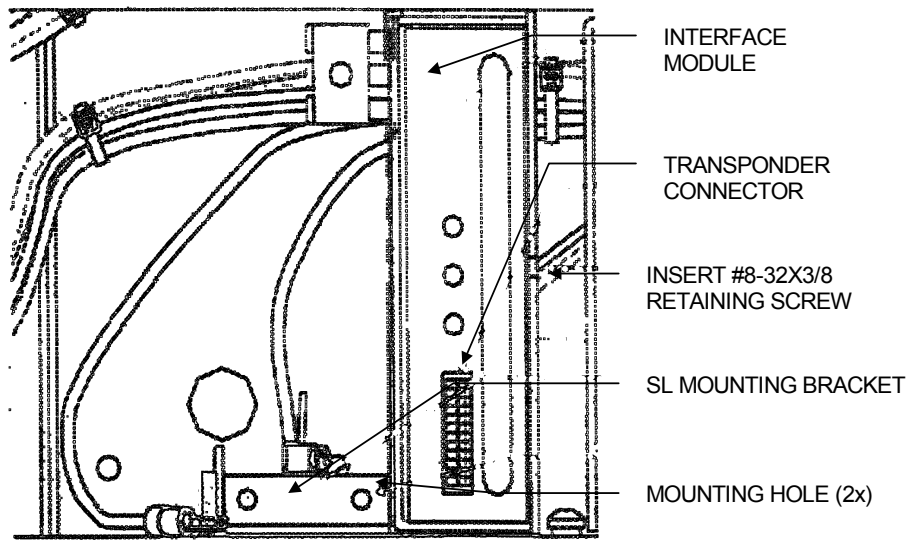
Installing and Connecting the CTELAM1 Transponder

Prepare the SL enclosure

1. Open the SL series housing.
2. **Switch the battery circuit breaker OFF.**
3. **Switch the FLM module OFF, and remove it from the enclosure.**
4. Ensure that an APC Status Monitoring Harness has been installed in the SL enclosure.
5. Locate the status monitor connector bracket. The specific location of this bracket varies with enclosure type, but will be toward the center of the enclosure.
6. Unplug the transfer relay (TR100), from the status monitor bracket (top connector).
7. Unplug the connector with the yellow jumper and the black thermostat cables from the status monitor connector bracket.
8. Disconnect the black jumper connectors.

Installation Procedure

1. Place the CTELCH1/CTELAM1 transponder interface module to the left of the status monitor bracket. Do not connect the module to the enclosure.
2. Route the tamper switch connector behind the status monitor bracket.
3. Plug the thermostat and tamper switch cable connectors into the appropriate color-coded connectors at the rear of the CTELCH1/CTELAM1 module bracket.
4. Firmly push the transponder interface module into place.



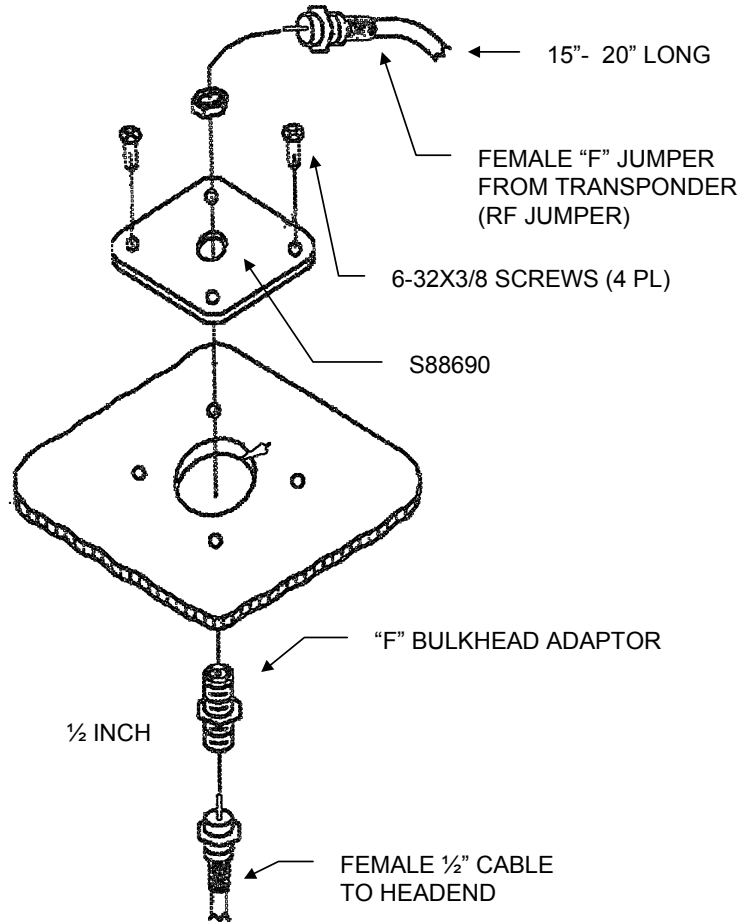
5. Secure the module to the bracket using a 3/8" screw (included). It may be necessary to remove the FLM module from the enclosure during this step. Reinstall the FLM module.
6. Switch the FLM module ON. The power supply will immediately begin normal operation.

Harness and Cable Connection

1. Remove the two cover screws on the right hand side of the CTELCH1/CTELAM1 transponder.
2. Attach the mounting bracket to the CTELCH1/CTELAM1 transponder using the two original cover screws.

The rear of the plate aligns with a mating slot on the rear end of the SL mounting bracket.

3. Attach the transponder bracket to the SL mounting bracket using two 8-32X3/8" screws and lockwashers provided.
4. Orient and attach one rectangular connector of the transponder status monitor harness to the front of the personality module. The plug is polarized so that it will only plug in one direction.



5. Attach the remaining harness connector to the front of the transponder in a similar manner.
6. Using a 1/2" to F or an F to F bulkhead adapter to supply the transponder RF, remove the black dome plug from the 1 - 1/8" diameter hole from the rear of the cabinet bottom.

RF cable not included, use CATV connectors

7. Install the bulkhead adapter and transponder RF jumper in its place using the four #6-32x3/8-inch screws provided. Refer to step 4 above for a diagram of a 1/2-inch to "F" adapter RF cable installation.
8. Switch the battery breaker ON and allow the inverter to time out for 15 seconds.

Maintenance

Should a problem arise with the power supply interface, contact APC at the web site www.apc.com.

Chapter 4 Service, Contact and Warranty Information

Service

APC makes every effort to ensure parts and equipment arrive in working condition. Occasionally, it may be necessary to return parts or equipment that are not in working condition.

If the UPS requires service do not return it to the dealer. Instead, follow these steps:

1. Contact APC Customer Service through the APC web site, www.apc.com/support.
 - Note the product model number, the serial number, and the date purchased. If you call APC Customer Service, a technician will ask you to describe the problem and try to solve it over the phone. If this is not possible the technician will issue a Returned Material Authorization Number (RMA#).
 - If the product is under warranty, repairs are free. If not, there is a repair charge.
 - Procedures for servicing or returning products may vary internationally. Refer to the APC web site. Select the appropriate country from the country selection field. Select Support from the tab at the top of the web page.
2. Pack the product in its original packaging.
 - Pack the unit properly to avoid damage in transit. Never use Styrofoam beads for packaging. Damage sustained in transit is not covered under warranty.
3. Mark the RMA# on the outside of the package.
4. Return the unit by insured, prepaid carrier to the address given to you by Customer Service.

How to Contact APC

In the USA ...	Outside the USA ...
Refer to the APC web site, www.apc.com/support .	Refer to the APC web site, www.apc.com . Select the appropriate country from the country selection field. Select <i>Support</i> from the tab at the top of the web page.

Limited Warranty

American Power Conversion (APC) warrants its products to be free from defects in materials and workmanship for a period of two years from the date of purchase. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. To obtain service under warranty you must obtain a Returned Material Authorization (RMA) number from customer support. Products must be returned with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

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Regulatory Approval



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