

STS 3192-9F Alarm Module Installation Guide

CLEI™ Code: T1AVWD17AA

GENERAL DESCRIPTION

The 3192-9F Alarm Module occupies the right-most, double-wide mounting position in the Charles Industries Span Termination System (STS) mounting shelves. The 3192-9F contains three front-panel LEDs that function as follows:

FA – Indicates that one or more of the repeaters within the shelf have blown an internal fuse, resulting in loss of span power to the associated DS1 line.

LOS – Indicates that one or more repeaters within the shelf are not receiving a signal from the span.

ERR – Indicates that one or more repeaters within the shelf are receiving excessive bipolar violations.

Included in the circuitry of the 3192-9F is a temperature sensor that provides a dry form-C contact for controlling fan operation, a switched -48V output for controlling fan operation, and a switched ground output for activating an over-temperature alarm.

There are no adjustments or options on this card. The Alarm Module is only required when alarm contacts or fan control is desired. This card is not required for repeaters to function.

Additional information, such as applications, circuit description, etc., is available in the STS Installation And Application Engineering, Section 319-211-200. Refer to Figure 1 for the block diagram.



STATIC-SENSITIVE

Channel units are shipped in static-protective material to protect static-sensitive devices. Use static-preventive measures for storage and handling.

MOUNTING

The 3192-9F Alarm Module mounts in the rightmost positions of the STS Mounting Shelves. The alarm module is two mounting positions wide.

CAUTION

Installation and removal of modules should be done with care. Do not force a module into place. If excessive resistance is encountered while installing a module, remove the module, and check the card guides and connector to verify proper alignment and the absence of foreign material.

Step	Action
1.	Release and rotate the securing bar. Push the spring clip tab on the left pivot point away from the shelf while rotating the bar up and out of the way.
2.	Insert (or remove) the module. The spring clip will hold the bar up and in place.
3.	Rotate the securing bar back into place. Push back the spring clip tab and rotate the bar back into place.

TECHNICAL ASSISTANCE

Technical Assistance — U.S.

If technical assistance is required, contact Charles Industries' Technical Service Center at:

847-806-8500
800-607-8500
847-806-8556 (FAX)

techserv@charlesindustries.com (e-mail)

Technical Assistance — Canada

Canadian customers contact:

905-821-7673 (Main Office)
905-821-3280 (FAX)

WARRANTY & CUSTOMER SERVICE

Warranty

Charles Industries, Ltd. offers a 5-year warranty on this product. Contact your local Sales Representative at the address or telephone numbers below for warranty details. The warranty provisions are subject to change without notice. The terms and conditions applicable to any specific sale of product shall be defined in the resulting sales contract.

Charles Industries, Ltd.
5600 Apollo Drive
Rolling Meadows, Illinois 60008-4049
847-806-6300 (Main Office)
847-806-6231 (FAX)

Field Repairs (In-Warranty Units)

Field repairs involving the replacement of components within a unit are not recommended and may void the warranty and compatibility with any applicable regulatory or agency requirements. If a unit needs repair, contact Charles Industries for replacement or repair instructions, or follow the *Repair Service Procedure* below.

Advanced Replacement Service (In-Warranty Units)

Charles Industries offers an "advanced replacement" service if a replacement unit is required as soon as possible. With this service, the unit will be shipped in the fastest manner consistent with the urgency of the situation. In most cases, there are no charges for in-warranty repairs, except for the transportation charges of the unit and for a testing and handling charge for units returned with no trouble found. Upon receipt of the advanced replacement unit, return the out-of-service unit in the carton in which the replacement was shipped, using the pre-addressed shipping label provided. Call your customer service representative at the telephone number above for more details.

Standard Repair and Replacement Service (Both In-Warranty and Out-Of-Warranty Units)

Charles Industries offers a standard repair or exchange service for units either in- or out-of-warranty. With this service, units may be shipped to Charles Industries for either repair and quality testing or exchanged for a replacement unit, as determined by Charles Industries. Follow the *Repair Service Procedure* below to return units and to secure a repair or replacement. A handling charge applies for equipment returned with no trouble found. To obtain more details of this service and a schedule of prices, contact the CI Service Center at 217-932-5288 (FAX 217-932-2943).

Repair Service Procedure

Prepare, complete, and enclose a purchase order in the box with the equipment to be returned.

Include the following information:

- Company name and address
- Contact name and phone number
- Inventory of equipment being shipped
- Particulars as to the nature of the failure
- Return shipping address

Ship the equipment, purchase order, and above-listed information, transportation prepaid, to the service center address shown below.

CI Service Center
Route 40 East
Casey, IL 62420-2054

Most repaired or replaced units will be returned within 30 or 45 days, depending on the product type and availability of repair parts. Repaired units are warranted for either 90 days from the date of repair or for the remaining unexpired portion of the original warranty, whichever is longer.

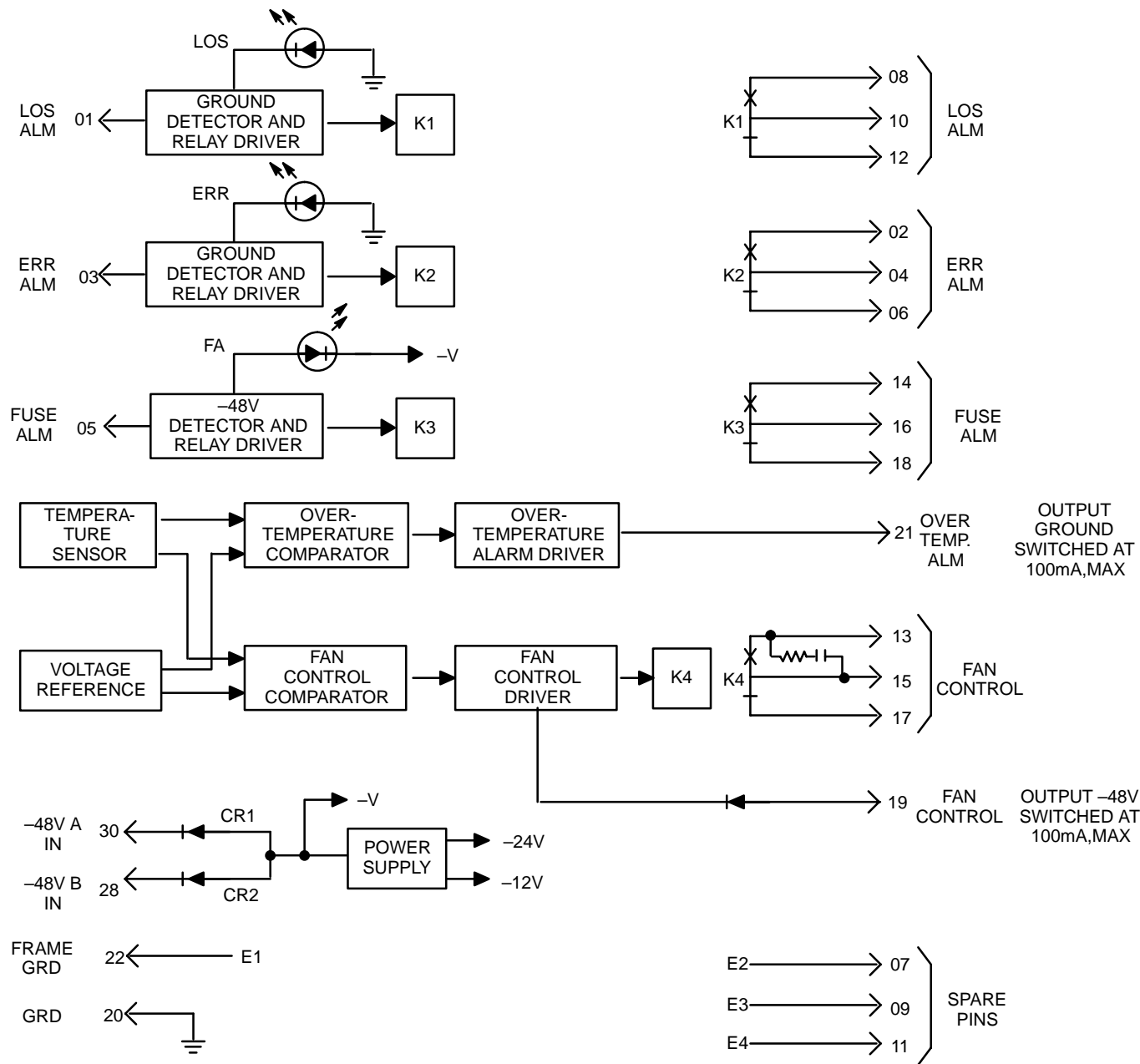


Figure 1. 3192-9F Alarm Module Block Diagram