

STS 3192-9C Cut-Thru Module

CLEI™ Code: T1SMEF04AA

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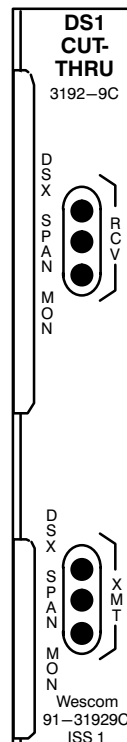


Figure 1. 3192-9C Cut-Thru Module

1. GENERAL

The 3192-9C Cut-Thru Module, shown in Figure 1, provides jack access to a single T1 line while completing the path between span and equipment (labeled “DSX”) through the Span Termination Shelf.

1.1 Document Status

This document is reprinted to include a general editorial update.

1.2 Equipment Function

The 3192-9C Cut-Thru Module is designed for use in the Charles Industries Span Termination System (STS) Mounting Shelves, or the 340 Mounting, or the 343 Mounting. For additional information regarding the STS Mounting Shelves refer to:

- Section 319–211–100 (Span Termination System General Description)
- Section 319–211–200 (Span Termination System Installation)

1.3 Equipment Features

The 3192-9C Cut-Thru Module includes:

- Opening jacks that allow access to the TO and FROM directions of both the transmit and receive paths.
- A pair of jacks that allows signal monitoring on both the transmit path and the receive path.
- Surge protection.



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

2. APPLICATIONS

The 3192-9C Cut-Thru module is intended for use where a DSX jackfield is not available. It completes the path from span to DSX through the STS shelf module position where it is inserted, and allows both monitoring and opening jack access to one T1 line while also providing surge protection. One 3192-9C is required for each line requiring jack access.

Figure 1 shows the front panel layout of the 3192-9C, including jackfield labeling. A schematic block diagram of the 3192-9C is shown in Figure 2.

3. INSPECTION

Inspect the equipment thoroughly upon delivery. If the equipment has been damaged in transit, immediately report the extent of damage to the transportation company.

Charles Industries equipment is identified by a model and issue number imprinted on the front panel or located elsewhere on the equipment. Each time a major engineering design change is made on the equipment, the issue number is advanced by one number on any subsequent models that are manufactured. Therefore, be sure to include both the model number and its issue number when making inquiries about the equipment.

Each module is shipped in static-protective packaging to prevent electrostatic charges from damaging static-sensitive devices. Use approved static-preventive measures, such as static-conductive wrist straps and a static-dissipative mat, when handling modules outside of their protective packaging. A module intended for future use should be tested as soon as possible and returned to its original protective packaging for storage.

CAUTION

Do not ship or store modules near strong electrostatic, electromagnetic, or magnetic fields, or in a highly radioactive environment. Make sure to use the original static-protective packaging for shipping or storage.

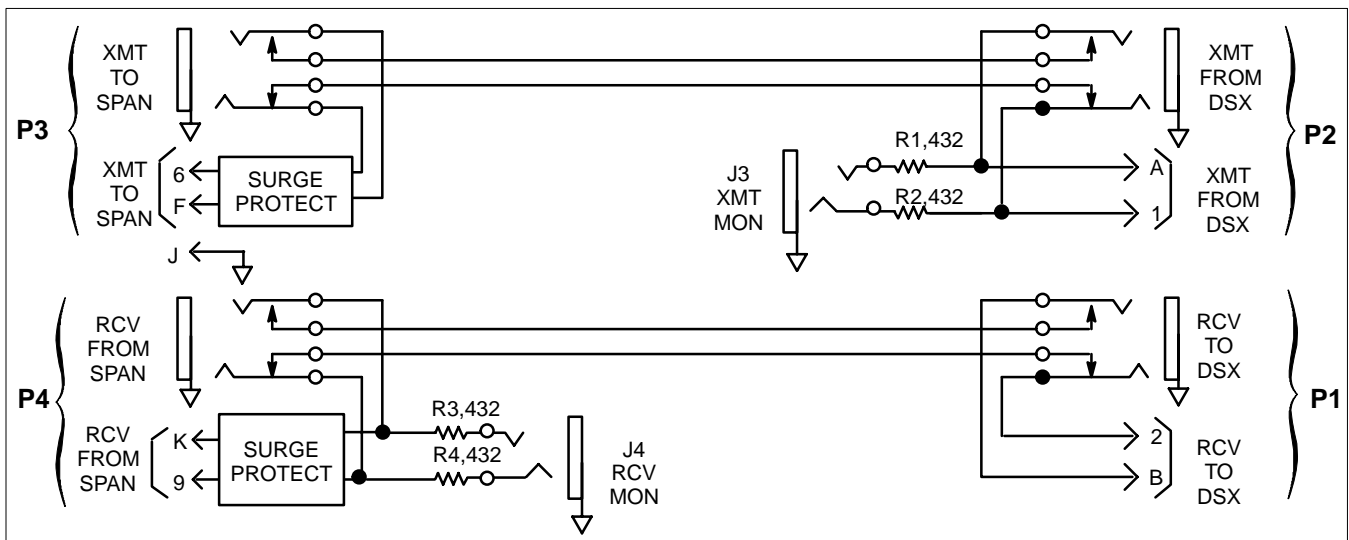


Figure 2. 3192–9C Cut-Thru Module, Block Diagram

4. CIRCUIT DESCRIPTION

The transmit and receive paths consist of surge protection and test access jacks.

5. MOUNTING

The 3192–9C Cut-Thru Module mounts in any of the Span Termination System (STS) Mounting Shelves, or the 340 Mounting, or the 343 Mounting.

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.

6. INSTALLER CONNECTIONS

All connections to the 3192–9C are made through the shelf. See the shelf documentation for connector and cable information.

7. TECHNICAL ASSISTANCE

7.1 Technical Assistance — U.S.

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

847–806–8500
847–806–8556 (FAX)
800–607–8500
techserv@charlesindustries.com (e-mail)

7.2 Technical Assistance — Canada

Canadian customers contact:

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

8. WARRANTY & CUSTOMER SERVICE

8.1 Warranty

Charles Industries, Ltd. offers an industry-leading, 5-year warranty on products manufactured by Charles Industries. 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

Telephone: 847–806–6300 (Main Office)
847–806–6231 (FAX)

8.2 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, Ltd. for replacement or repair instructions, or follow the *Repair Service Procedure* below.

8.3 Advanced Replacement Service (In-Warranty Units)

Charles Industries, Ltd. 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.

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

Charles Industries, Ltd. 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

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

2. 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
3. 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
4. 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.

9. SPECIFICATIONS

See Table 1 for the physical characteristics of the 3192–9C Cut-Thru Module.

Table 1. Physical Specifications

Feature	U.S.	Metric
Height	4.75 inches	12.06 centimeters
Width	0.687 inches	1.746 centimeters
Depth	10.5 inches	26.67 centimeters
Weight	6 ounces	170 grams
Temperature	–40° F to 149° F	–40° C to 65° C

