

Features:

- Raises an alarm if its input MPEG stream fails.
- Raises an alarm if the ASI Transport Stream is not the correct stream as indicated by its stream ID.
- Raises an alarm if a particular program number is missing from the stream.
- Monitors a number of the parameters of first priority measurements of ETR290.
- Front panel alarm LEDs and rear panel urgent and non-urgent relays.
- SNMP Monitoring capability.

General:

The primary function of the MDD-4490 is to raise an alarm if its input MPEG Transport Stream fails. Its secondary function is to raise an alarm if the Transport Stream is not the correct stream as identified by its Stream Id. Thirdly it can raise an alarm if a particular program number is missing from the stream and in addition monitors a number of the parameters of first priority measurements of ETR290.

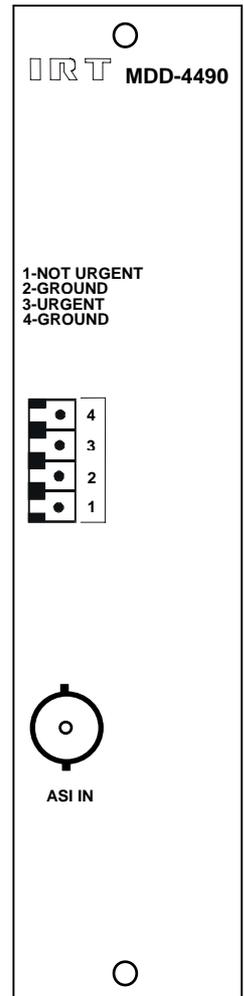
There are 5 green status LEDs named PAT, SID, PMT, PGM and PCR. These five should be illuminated in the presence of a valid Transport Stream. 204 is another green LED that lights when the input signal is a 204 byte packet length signal. CNT is an amber LED and lights on a Continuity Count error. ASI is red and indicates a failure of the Transport Stream.

There are two relays whose contacts are available on the rear assembly. They are labelled Urgent and Non-Urgent. If the Urgent relay operates then the red URG led on the front panel will light. If the Non-Urgent relay operates then the amber led NON will light. Each of the relays can be selected (by dip switches) to operate on any or all of the error states of any of the seven status LEDs.

Simple Network Management Protocol (SNMP) monitoring is possible if mounted in IRT's 4000 series frame fitted with SNMP capability.

MDD-4490 Technical Specifications

Input:	1 x ASI-C
Impedance	75Ω.
Level	800 mVp-p.
Connector	BNC.
Alarm Outputs:	1 x N/C settable Urgent Relay, 1 x N/C settable Non-Urgent Relay,
Monitor Output:	SNMP when fitted within IRT's 4000 series frame fitted with SNMP Agent..
Front Panel Indicators:	PAT - Program Association Table (Present) PMT - Program Map Table (Present) PCR - Program Clock Reference (Present) SID - Stream ID (Correct) PGM - Program Number (Present) 204 - 204 byte packet length input signal ASI - ASI (Loss of or faulty) CNT - Continuity Count (Error) URG - Urgent Alarm status N.URG - Non Urgent Alarm Status
Power Requirements	28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption	<3.5 VA.
Other:	
Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in IRT 19" rack chassis with input, output and power connections on the rear panel.
Finish:	Front panel Grey background, silk-screened black lettering & red IRT logo. Rear assembly Detachable silk-screened PCB with direct mount connectors to Eurocard and external signals.
Dimensions	6 HP x 3 U x 220 mm IRT Eurocard.
Supplied accessories	Rear connector assembly.



Due to our policy of continuing development, these specifications are subject to change without notice.

Detailed specifications available from:

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