

Missing Telegrams System Type: REMITdetect



SSI data links are remarkably tolerant of problems. Performance issues are masked by the SSI diagnostic processor which only reports complete failure.

The REMITdetect (Remote Missing Telegram Detector) is a system which monitors multiple SSI data links (up to 64), recording the occurrence of missing reply telegrams and glitches. Using proven technology from Park Signalling's SSI Link Analyser, the system connects to the data link test points provided by the interlockings.

An Ethernet connection is provided for the user to connect a PC (either directly or over a network), from where all missed telegram and glitch information is available on a simple web interface.

Environment

The REMITdetect is suitable for use in a signalling equipment room.

Electrical connections

The REMITdetect has the following connections:

- Standard 8P8C Ethernet socket for the user-supplied shielded cat. 6 Ethernet cable.
- A test point adaptor (two 4mm plugs) for the data link test points of each data link to be monitored.
- A C14 inlet for its 240V a.c. 5A supply, for the provided 2m mains lead terminated in a standard UK 3-pin mains supply plug.

For each pair of data links to be monitored, an Optical Fibre connects the two Test Point Adaptors to two Interface Modules inside the REMITdetect enclosure. Care must be taken to avoid damaging the fibres: they must not be strained or flattened, and have a minimum bend radius of 30mm.



Outline

The REMITdetect enclosure's dimensions are 800mm high, 600mm wide, 260mm deep. It has a hinged door on its front, and all cable entries are through its bottom face.

The enclosure can be mounted in any orientation, as long as the door can be opened and the cables can enter through the bottom face; clearance of 100mm below the bottom face is required for cabling.

The enclosure can be wall mounted using the supplied brackets and four M8 bolts. The bolt-hole centres form a rectangle 560mm by 854mm.

The enclosure can weigh from 27kg up to 39kg, depending on the number of data links being monitored.

Ordering Information

- Complete system: ST421-XX
(XX=no. data links to monitor [02 to 64])
- Master Processor: ST402
- Serial ports: ST411 (4-port) ST412 (8-port) ST413 (16-port)
- Interface Module: ST401
- Optical fibre (twin):ST404, length to be specified
- Test Point Adaptor: ST112

Product Acceptance

PA/06017; PADS 0086/ tba

Manufacturing Information

ST421-04 parts list: PSL-RD-334-B-01



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