

Weetabix Fault Display Connection Scheme

The fault displays are designed to accept 24V logic inputs, derived from a PLC output card. Each display comprises of 2 lines of variable data, each line having 4 characters.

The displays are double sided, where both sides display identical information. The lines are each given a unique address, and each line has a message storage and recall facility.

Messages are written to the lines via a 9 pin Sub-D connector mounted at the bottom of the display, on one side. This allows an operator with a portable PC to amend or edit the stored messages as and when required.

Message and address signals are fed to each display via an Amphenol multipole connector.

Power is fed to each display via a separate Amphenol connector, to maintain segregation between power and signals, in the interests of electrical noise immunity and interference limitation.

The displays may be suspended from two eyes, one at each end of the enclosure.



The Power connector is an RS part 475-820

The Data connector is an RS part 475-886

The Programming connector is a 9 pin D type

Dimensions Width = 1395mm, height = 810mm, depth = 100mm

Power Connector Termination Details

Power Range 22-26 VDC, 5A peak

24V Positive	Pin A
24V Common	Pin B
Earth	Pin C

Data Input Termination Details

Connects to plc

Data Common (0V)	Pin A
Data Strobe	Pin B
Address/Message Select Line	Pin C
Data bit 1	Pin D
Data bit 2	Pin E
Data bit 3	Pin F
Data bit 4	Pin G
Data bit 5	Pin H
Data bit 6	Pin I
Data bit 7	Pin J

RS232 Input

Pin 3 1200 Baud RS232 Data Input

Pin 5 RS232 common

No other connections required on 9 pin D-Type