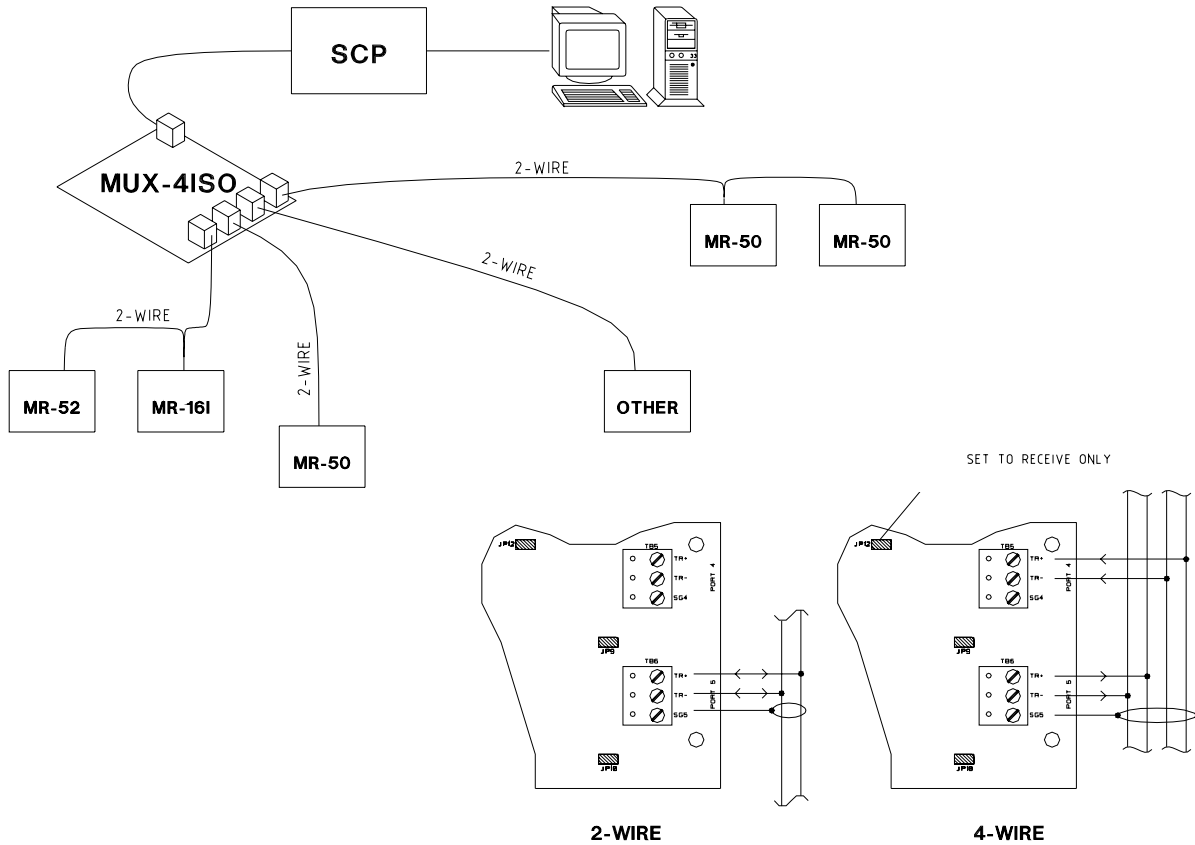


2. Port Configuration:

The following figure shows the typical usage for 2-wire and 4-wire RS-485. To set a port as receive-only, remove the corresponding jumper (see table).



3. Jumper and Switch Usage:

See the following tables for jumper and DIP switch setting.

JUMPERS	SET AT	SELECTED
JP2,JP3,JP5,JP6,JP7	RS-232	PORT 1 IS RS-232
	RS-485	PORT 1 IS RS-485
JP11	OFF	PORT 2 IS RECEIVE ONLY FOR 4-WIRE RS-485
	ON	PORT 2 IS 2-WIRE RS-485
JP12	OFF	PORT 4 IS RECEIVE ONLY FOR 4-WIRE RS-485
	ON	PORT 4 IS 2-WIRE RS-485
JP8	ON/OFF	PORT 1 RS-485 TERMINATION
JP1	ON/OFF	PORT 2 RS-485 TERMINATION
JP4	ON/OFF	PORT 3 RS-485 TERMINATION
JP9	ON/OFF	PORT 4 RS-485 TERMINATION
JP10	ON/OFF	PORT 5 RS-485 TERMINATION

S4	S3	S2	S1	SELECTION (TURN AROUND DELAY, APPROXIMATE)
OFF	OFF	OFF	OFF	300 BPS (35mS)
OFF	OFF	OFF	ON	1200 BPS (9.58mS)
OFF	OFF	ON	OFF	2400 BPS (4.79mS)
OFF	OFF	ON	ON	4800 BPS (2.50mS)
OFF	ON	OFF	OFF	9600 BPS (1.25mS)
OFF	ON	OFF	ON	19200 BPS / 38400 BPS NORMAL (625uS)
OFF	ON	ON	OFF	38400 BPS FAST TURN (365uS)
OFF	ON	ON	ON	38400 BPS FAST TURN (365uS)

4. Specification:

The multiplexer is for use in low voltage, class 2 circuit only.

Primary power:

DC input: 12Vdc±15%, 300mA

Interfaces:

Port 1: RS-232/RS-485, selectable

Port 3,5: RS-485, Transmit/Receive

Port 2,4: RS-485, Transmit/Receive, or Receive Only

Wire requirement:

Power: 1 twisted pair, 18 AWG

RS-485: 24AWG, 4,000ft (1,200m) max., twisted pair(s) with shield.

RS-232: 24AWG, 50ft (15m) max.

Environmental:

Temperature: 0 to 70 °C, operating

-55 to +85 °C, storage

Humidity: 0 to 95% RHNC

Mechanical:

Dimension: 5 in. (127mm) L x 6 in. (152mm) W x 1 in. (25mm) H

Weight: 4 oz (113 g) nominal

Warranty

Mercury Security Corporation warrants the product is free from defects in material and workmanship under normal use and service with proper maintenance for one year from the date of factory shipment. Mercury Security Corporation assumes no responsibility for products damaged by improper handling or installation. This warranty is limited to the repair or replacement of the defective unit.

There are no expressed warranties other than set forth herein. Mercury Security Corporation does not make, nor intends, nor does it authorize any agent or representative to make any other warranties, or implied warranties, and expressly excludes and disclaims all implied warranties of merchantability or fitness for a particular purpose.

Returned units are repaired or replaced from a stock of reconditioned units. Returns must be accompanied by a return authorization number (RMA) obtained from customer service, and prepaid postage and insurance.

Liability

The Interface should only be used to control exits from areas where an alternative method for exit is available. This product is not intended for, nor is rated for operation in life-critical control applications. Mercury Security Corporation is not liable under any circumstances for loss or damage caused by or partially caused by the misapplication or malfunction of the product. Mercury Security Corporation's liability does not extend beyond the purchase price of the product.