



INSTRUMENTS

ATPSW51 5 way Ethernet Switch - Installation

General

Ethernet cable connections

Tx+	White/Orange
Tx-	Orange
Rx+	White/Green
RX-	Green
Power + (12-36V)	Brown & Brown/White
Power -	Blue & Blue/White

A+T Ethernet Display cable connections

Tx+	Brown
Tx-	Blue
Rx+	White
RX-	Green
Power + (12-36V)	Red
Power -	Black

Port B Optional
external power
input



Port A1 Data and low
power input

Power

A power relay is built into the unit so three power options are available:-

- I. The switch itself and all output power is taken off the left-hand Ethernet connection. This power is sufficient to run A+T interface boxes and further switches. If displays are connected then external power should be used.
 - a) Power input on Port A1 should be connected directly to the main header (ignore the 2 way bottom left header)
 - b) Selection switch set to 'Manual On' position.
- II. Switch and all output power is taken off external power through Port B
 - a) External power is connected to the left-hand main header
 - b) The power on the input Ethernet cable in Port A should be safely isolated and not connected
 - c) Selection switch set to 'Manual On' position.
- III. As II. above, but power controlled by the REMOTE input. Allows external power to be used, but whole network to be turned off centrally.
 - a) External power is connected to the left-hand main header
 - b) The power on the input Ethernet cable in Port A should be connected to the REMOTE input
 - c) The selector switch marked Manual should be set to the 'Remote On' position.

Other details:-

- Supports 100BASE-TX with 100 Mbit/s of throughput in all directions.
- Up to six cable glands, blanks supplied to fill unused spaces.
- Glands to fit up to 8.1mm cable or smaller
- Power rails +V, 0V for power on Ethernet; power can be injected.
- Current limiting 2A on each output port
- Data activity lights on each port.
- Power available light on each port
- Dimensions:
 - height = 80 mm plus cable glands & exits
 - length = 120 mm (plus power cable gland if used)
 - depth = 55 mm
- 3-year warranty, see A+T website for details.
- 24/7 support; +44 1590 718182 support@AandTinsturments.com