



# Switch Matrix Controller

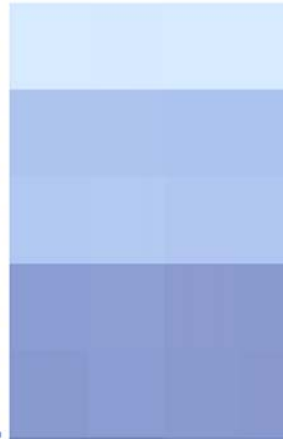
The ETL Ethernet Matrix Controller is a stand-alone unit designed to control the range of 32<sup>2</sup> based ETL switch matrices (routers) – be they IF, Broadband, or L-band.

The controller is very simple to operate with a clear LCD display which shows 8 input-output switch selections at-a-view, and horizontal scrolling for rapid review of the whole matrix configuration. Intuitive buttons allow you to simply set the sources or destinations. The base logic is destination-led selection (i.e. choose an output and then choose which input should be routed to that output) but can be inverted with a simple button click.

Display mnemonics can be modified to any 4 character alpha-numeric to reflect actual source / destination names. The controller can be used with any size of matrix. It is linked to the matrix module(s) by RS485 so can be sited in a separate room remote from the matrix stack itself.

Remote control is via Ethernet. Up to four connections may be made simultaneously. Either direct TCP/IP sockets may be opened or supplied software used to enable virtual serial connections.

product overview



## Key features

- For operation with all ETL 6U and 12U matrices
- PSU status display on main screen (latches on alarm).
- Remote control via RJ45 Ethernet connection to ETL software or M & C system
- Can be controlled by multiple (max. 4) remote PC's or sites.
- Simple protocol for M & C integration
- 19" rack unit, 2U high \*  
350mm deep

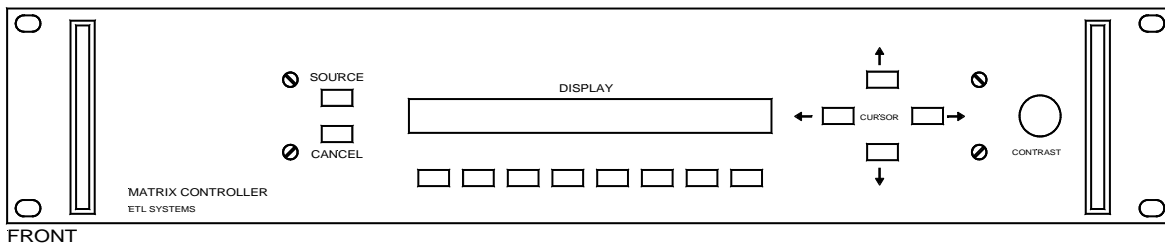


**Model 2171**

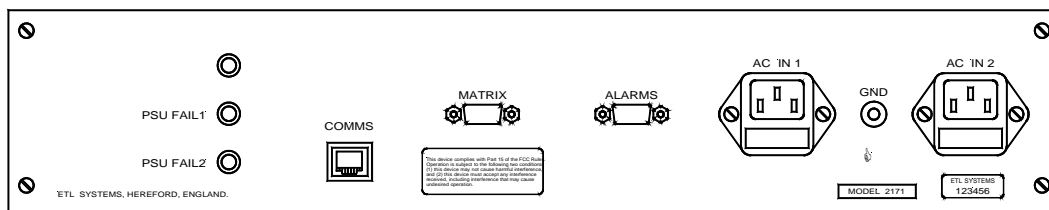
*satellite systems*

# Switch Matrix Controller

## Technical Summary



FRONT



REAR

### Other information

- Quasi redundant interaction with on-board matrix control board
- Retains settings if power/ communications with matrix fails
- RS485 connection to matrix module so can be located in a control room separate from the matrix stack
- Options to specify a lockable key-pad to prevent unauthorised use and also up to 5 pre-settable masks or sets of configurations.
- Dry-contact volt free alarm port for PSU failure
- Dual redundant power supplies
- Power requirement 90/264 V AC, 50/60 Hz with dual IEC AC inlets
- PSU-fail LED's on front panel. Display available on main screen showing status of each of the PSU's ("OK" or "FAIL")
- Colour – Light Grey RAL 7035

### Model 2171



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