



## C.E. Electronics Limited

TFT information.doc vs 5 Aug 2009

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### ElitePi TFT Screens (support information)

Our TFT screens are full computers with Windows software, and take signals from the controller to display position, direction, floor messages, priority messages, timed messages, and live data and Video/TV in the Car or Landing. We make a demonstration CD to the customer's requirements for approval. More information is on our web site [http://www.cееlectronics.co.uk/products/TFT\\_Destination\\_Displays/Elite\\_TFT\\_Displays/Elite\\_TFT\\_Displays.htm](http://www.cееlectronics.co.uk/products/TFT_Destination_Displays/Elite_TFT_Displays/Elite_TFT_Displays.htm)

As far as the lift installer is concerned it is like fitting any other indicator. We supply a controller interface that sits in the controller in the Motor Room and converts the controller signals to a 3-shaft-wire protocol, which is connected to the TFT screens. Mains supply is also needed to the screens.

Screens can be programmed individually with different graphics by the customer, either locally or remotely, using our software included in our ElitePi TFT package. We can supply a USB stick and extension lead for each screen so the customer can plug in and update the graphics on each TFT screen. Alternatively we can supply a MUX splitter box in each Motor Room to send the graphic updates to each TFT screen directly from a remote pc. This requires additional wiring in the travelling cable.

We use 3 unscreened shaft wires for the controller information. We use RS485 or Ethernet links (fibre or copper) when the TFT software needs to be updated directly from a remote computer or with live data. Composite video signals are sent via co-axial cable and Audio signals via twisted pairs.

The customer usually supplies the remote computer and the building wiring so that the TFT graphics can be updated. We give them the software to do this.

The TFT indicator is mounted on a normal faceplate. Rear access is required. The minimum box depth is 75mm. Alternative mounting arrangements are available.

Data sheets are available on our web site <http://www.cееlectronics.com/catalog.php?section=epi>

We usually supply

- 1 Controller interface for each Car
- USB sticks and extension leads for the screens to locally update the graphics and time and date
- 1 or 2 TFT screens per Car and Landing (with or without video option)
- Software for the Remote Computer to update the graphics
- Optional splitter unit (8 way) with MPROG, MTIME, ELBNK modules, to mount in each machine room to link to a remote pc and also give remote time, date and temperature.
- Optional Ethernet or RS232 to RS485 converters for the Remote Computer to link directly to the screens

The Lift installer usually supplies

- 3 unscreened shaft wires in the travelling cable from the controller to the TFT screen (via the optional splitter unit)
- Mounting for the TFT screens (rear access required) and wiring to the controller interface
- Mains for each TFT screen
- Optional RS485 update links as necessary to each Car in the travelling cable (twisted screened pairs)
- Optional RS485 or Ethernet links between Lift motor rooms (twisted screened pairs)
- Optional Composite Video (Coax) and Audio links (twisted screened pair) to each Car in the travelling cable

The building owner usually supplies

- Remote computer to update the graphics (minimum specification required)
- Optional RS485 or Ethernet links from the remote computer to the master splitter unit & between Lift motor rooms
- Mains sockets by each Splitter Unit
- Optional twisted screened pair from the master splitter unit to the outside temperature probe
- Optional RS485 or Ethernet Live Data Links between motor rooms and the remote computer (e.g. for graphics update, text information or live data)
- Optional Telephone or Ethernet links and Data to the remote computer (e.g. for live data)
- Optional Composite Video and Audio Signals to motor rooms (e.g. for TV signals)