iControl Serial Car Operating Panel

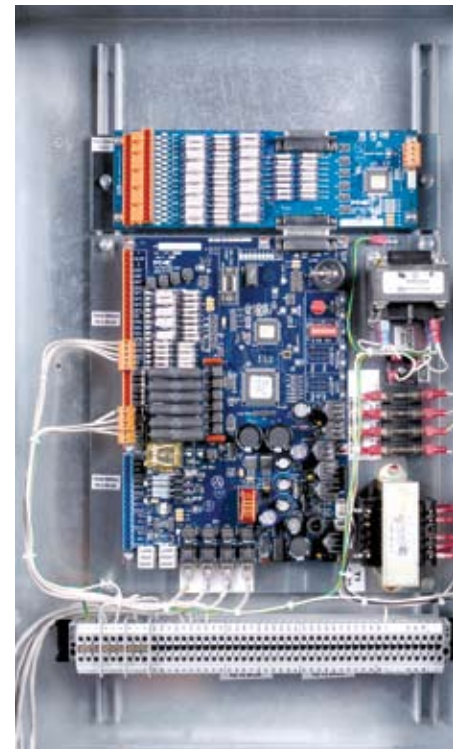## One cable* — from the car operating panel to the cartop

Car operating panel to cartop signal wiring is now just a short length of shielded cable with a telephone-style RJ-11 connector at each end. No more bundles of car call wires between the car operating panel and the cartop box.

With **MCE Serial COP**, car call buttons connect directly to a serializing board located in the car station enclosure. If you have multiple call buttons, Serial COP boards daisy-chain together to handle high-rise needs easily.

Serial COP speeds up installation and minimizes the risk of connection mistakes. Serial connection can make a dramatic difference in the complexity of wiring from the car panel to the cartop box.

Take any number of discrete connections and replace them — with a single cable.

Applications

- Modernization or new construction
- MCE iControl elevator controllers

Benefits

- Save time during installation
- Save time during future service or troubleshooting
- Reduce the bulk of cabling from the car operating panel to the cartop

The iLink cartop box supports up to four serial control panel connections. iLink to elevator control connections are serial too, so the bulk of traveler and hoistway cabling is also reduced.

* Some safety and inspection related signals may not be serialized and are required to use separate conductors. Power connections are also through separate conductors.

Serial from car station to cartop

Each Serial COP board handles up to 24 call buttons or switches. If more inputs are required, Serial boards easily "daisy-chain" together to meet the needs of the tallest high-rise. The iLink cartop provides easy, telephone jack style connections for up to four car control panels.

7.5 in (191 mm)

4.875 in (124 mm)
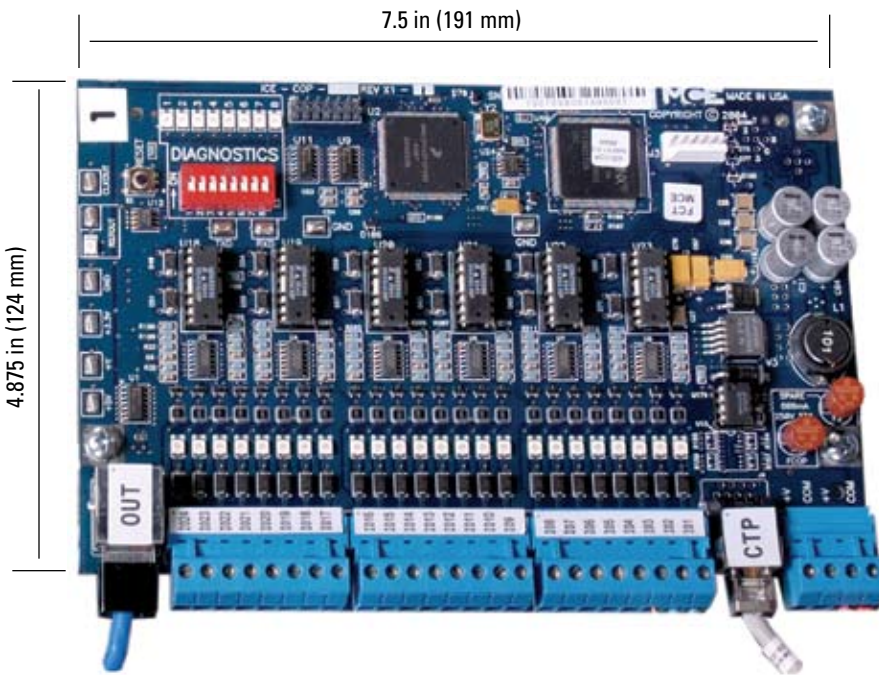
Serial COP board specifications

- Each board I/O can be used as input, output, or call input/output
- 24 I/O connections per board
- All I/O assignments field configurable
- Inputs can be 12-24 VDC (24V preferred)
- Outputs: 24V, 6W (maximum) lamps or 250mA LEDs recommended
- Board voltage levels determined by voltage connected so different boards can handle different voltage requirements
- Socketed, easily replaceable drivers protect the board from damage due to out-of-range inputs
- Pluggable connections for COP car operating panel buttons and switches
- Simple, RJ-11 cable coupling if multiple boards are needed (initial board is Serial COP to communicate with cartop, additional boards are COP-X for I/O expansion)
- Simple, RJ-11 connection from car panel to cartop
- MCE-tested for dependable performance

Serialized Signal Types

- Car calls
- Car call enables (security)
- Enable overrides (security)
- Door controls
- Car status
- Position indicators
- Alarm I/O
- Load indicators
- Operating mode I/O:
  - Fire
  - Attendant
  - Independent
  - Flood
  - Inspection
  - Swing
  - Earthquake
  - Sabbath
  - Recall
  - CFSS