

# KONE / MAC 109 LCD

## “ECI MILLENNIUM SERIES”

### The Next Generation in LCD Door Control Technology

#### ECI 109-4 LCD (P/N ECIA045.00008169) OPEN LOOP APPLICATIONS

Replaces: Board 104 (P-24783-XXX) all revisions and previous 3 board MAC groupings

#### ECI 109-5 LCD (P/N ECIA045.00008170) CLOSED LOOP APPLICATIONS

Replaces: Montgomery Board 105 (P-31872-XXX) all revisions

Replaces Kone Board 105D (KM50022228)

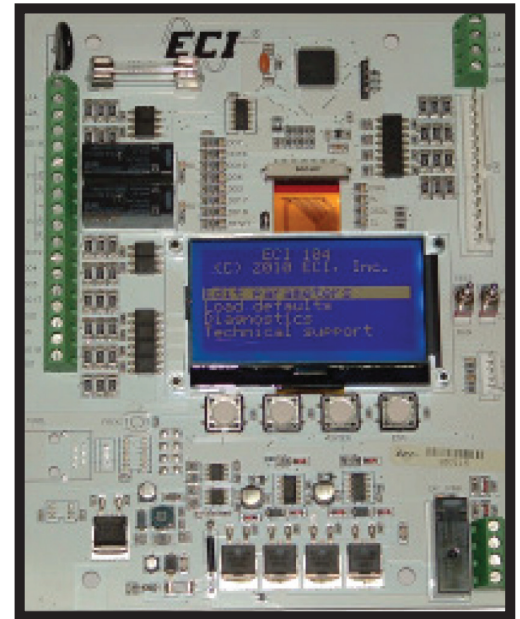
No service tool required

#### ECI 109-5 LCD-KIT (P/N ECIA045.00011822) CONVERSION KIT

Open to Closed Loop Conversion Kit, contains 109-5 LCD & Encoder

#### FEATURES & BENEFITS

The ECI 109 LCD series of door boards offer the very latest in door control technology to include advancements in power management, simplified parameter adjustments and diagnostics through the on-board LCD display. Designed for direct fit, form and function for replacement of Board 104, MAC 3-board groupings and Kone 105 closed loop applications.



#### ADVANTAGES

- Advanced design technology in power management reduces board heat providing for superior efficiency and longer service life.
- Soft fault, time out and reset for board and motor protection.
- State of the art components, no removable modules or relays eliminates wasted field service labor of old technologies.
- Faster install time through on-board LCD display providing for parameter adjustments in real time, with no potentiometers to adjust.
- Display rotation allows you to work from either side of the operator.
- LCD diagnostics and LED function indicators.
- Closed loop door board (109-5 LCD) contains hard fault encoder failure run programing, to allow continued slower open loop operation until service mechanic can correct encoder fault returning the unit back into closed loop operation.
- No service tool required.
- Closed loop conversion kit(s) are cost effective as operator is maintained and kit can be installed by one mechanic.

**“ The Millennium Series” If you can use your thumbs or cell phone you can adjust this board.**  
**Non-Proprietary ECI Brand products come with free technical support.**

FORM 25 REVISED 12/17

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BOARDS



LIGHTING



REPAIR



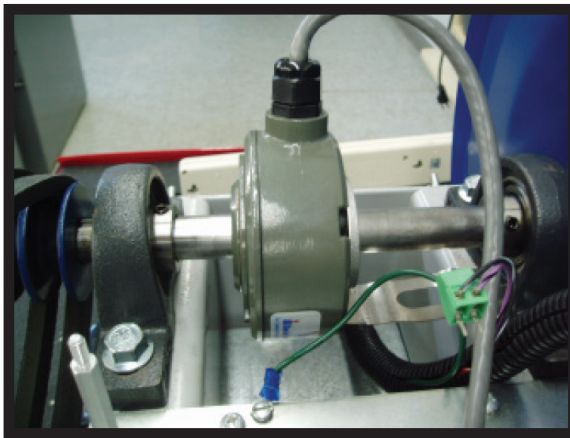
PRODUCTS

# 109-5 LCD KIT KONE / MAC

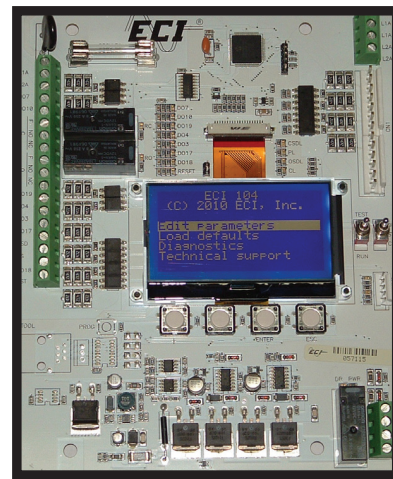
## OPEN TO CLOSED LOOP CONVERSION KIT

### ECI 109-5 LCD-KIT PART NO. ECIA045.00011822

OPEN TO CLOSED LOOP CONVERSION KIT, INCLUDES 109-5 LCD DOOR BOARD & ENCODER



**Idler Shaft Encoder**



**109-5 LCD**

### THE MODERNIZATION ADVANTAGE

- **State of the Art Open to Closed Loop Technology Upgrade** for MAC, Montgomery / Kone, PM/SSC Harmonic Operators, utilizing Board 104 or earlier three board (power mother, relay and speed board) groupings.
- **109-5 LCD** Advanced Design Door Control Board with identical foot print and connections.
- **Absolute Positioning Encoder**, through installation of provided idler shaft encoder or motor encoder combination.
- **No Service Tool Required, all set up and adjustments via on-board LCD display**
- **Cost Effective**, existing mechanical operator is maintained, providing for reduced material, labor and shipping cost.
- Industry leading **No Cost phone support** on all ECI brand products.

FORM 25 BACK 12/17

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