

## LIM2 Door Controller for Card Access Control

**Borer's LIM2** is a single door access controller for use in on-line access control applications. The **LIM2** provides full on-line and off-line validation and decision making capabilities at the point of entry.

It supports most third party card reader interfaces, including: Wiegand, bar code, magnetic stripe, Dallas 'iButton', as well as many proximity and biometric formats.

The LIM2 communicates using Controller Area Network, conforming to the ISO 11898 standard for serial data communication. CAN provides a secure, high speed data link for mission critical systems, which is ideal for access control and alarm monitoring applications.

### Benefits

- **Distributed intelligence** allows decisions to be made at the point of access
- Includes **Emergency Status Rules**, one for each day of the week, which control the operation of the door during an emergency (e.g. open all doors upon detection of a fire alarm)
- **'Plug and Play'** makes for faster installation and commissioning
- **TCP/IP Network connection via Borer Bridge** enables a direct connection to the central management system and database
- **Very low energy consumption** leading to savings in cost of energy

Power over CAT5e/6 support eliminating the requirement for a power supply at every door thereby reducing bespoke cabling, installation complexity and cost.



Part Number: 04-150

### Features:

- **High level of integration** with fewer components leading to lower cost and more reliable equipment
- **Less Hardware deployed** resulting in easier installation, reduced maintenance and lower cost of ownership
- **DIN Rail Mounted** for ease of installation and maintenance
- **Distributed intelligence** to the reader controller allows decisions to be made at the point of access
- **'Plug and Play'** makes for faster installation, commissioning and maintenance replacement
- **'Power over LAN'** cuts the number of power supplies and mains outlets required, reducing the overall installation cost
- **Support for a wide range of card reader technologies** including Wiegand, magnetic stripe, Dallas 'iButton', bar code and many proximity formats including HID, Indalla, Mifare, Legic, iClass, EM, Hitag, etc

## Technical Data

<b>Installation</b>	Borer LIM door access controller are housed in DIN rail mounted enclosures for ease of installation and maintenance
<b>Door Monitoring</b>	Ivory
<b>Power supply</b>	10 to 28V DC, 25mA @ 24V DC
<b>Controller dimensions / weight</b>	82 x 62 x 15mm / 43g
<b>Controller enclosure dimensions /weight</b>	85 x 68 x 60mm/ 97g
<b>Environmental/Humidity Range</b>	Interior / 5% to 85% non-condensing
<b>Outputs</b>	Relay (3A at 30V DC, NO and NC contacts)
<b>Inputs</b>	3 supervised (open contact, closed contact, cut wire and shorted wire) digital inputs: - door contact, REX (request to exit) and tamper circuit.
<b>Reader head outputs</b>	Red LED and green LED, Buzzer
<b>PIN</b>	4 digit system generated random number or 4 digit user issued number
<b>Reader Database</b>	48 sets of reader rules, 16 scheduled holiday dates, maximum 8000 cardholders / transactions
<b>Data retention without Power</b>	10 years
<b>Network Connections</b>	Controller Area Network, ISO 11898 standard for serial data communications
<b>Cable type</b>	CAT 5 cable
<b>Transmission protocol</b>	CSMA-CA (Carrier Sense Multiple Access with Collision Avoidance)
<b>Data Rate</b>	Autosensing : - 50, 125 or 250kbps
<b>Operating Temperature Range</b>	-13 to 140 F (-25 to 60 C)
<b>Card Access Reader Technology</b>	Support for a wide range of card access reader technologies including Wiegand, magnetic stripe, Dallas 'iButton', bar code and many proximity formats including HID, Indalla, Mifare, Legic, iClass, EM, Hitag, etc.
<b>Door monitoring</b>	Access made, access not made, door forced, door unsecure, egress made (using handle or REX)

