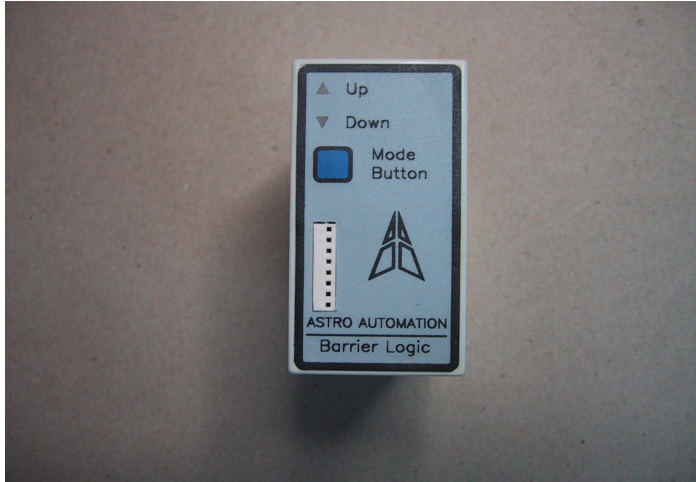




MAGDRIVE

Info



PROGRAMMABLE BARRIER / GATE LOGIC

BL 2000 SERIES

BL2000.PUB

ISSUE 24 MAY/01

DESCRIPTION

The BL 2000 is a cost effective MICRO-PROCESSOR based barrier/ gate control logic offering many new and unique features.

Logic operating features are PROGRAMMABLE using a small interface module to load the desired software into a non-volatile memory. The interface module can also be used for real-time DISPLAY of logic function including transaction COUNTS of cash register, card reader and detector inputs as well as barrier open and close actuations. Once operating parameters are set, the interface module is removed and the logic becomes TAMPER-PROOF.

APPLICATIONS

Suitable for the direct control of parking barriers based on drive systems that do not require limit switches. For limit switch based drives, additional switching is required. Ticket dispenser and cash register controls are catered for.

FEATURES

ADJUSTABLE AUTO CLOSE

Set the timer after which the barrier should close in the event of the vehicle not traversing the loop.

ADJUSTABLE ROLL-BACK TIME

Set the time after the vehicle exits the loop in which it can re-enter the loop and cause the barrier to re-open.

SELECTABLE ACTUATION COUNT (MEMORY)

Increase your traffic flow by selecting the memory function which will count the opening input actuations and only cause the barrier to close after the vehicles have passed.

MANUAL CONTROL

Maintenance is facilitated by direct manual control on the face of the module.

TICKET DISPENSER INTERLOCK

Prevent tickets being issued when the barrier is in the raised position.

COUNTING

Prevent fraud by having counts of cash register, card reader and loop detector inputs and barrier open and closed actuations. Maximum count 100 million.

CODED INPUTS

By selecting your inputs as coded you can prevent unauthorised opening of the barrier by shorting of wires.

SELECTABLE INPUT TRIGGERING

Set your inputs to be either pulse triggered OR level triggered with inhibited delatch.

24 HOUR TIMER (OPTIONAL)

Automatically open and close your barrier at programmable times.

TECHNICAL DATA

SUPPLY POWER

BL 2230 230V AC 50 Hz
BL 2115 115V AC 50 Hz
BL 2024 24V AC 50 Hz
BL 2012 12V DC

INPUT

Contact closure or open NPN transistor edge triggered OR level triggered with inhibited delatch. ALTERNATIVELY select either or both barrier opening inputs to be CODED.

OPEN/CLOSE OUTPUT

Relay switched mains live voltage rated at 16A

AUTO-CLOSE TIME

Adjustable to 127 seconds. Factory preset at 120 seconds.

ROLL-BACK TIME

Adjustable from 31 to 0 seconds. Factory preset at 2 seconds.

MODE BUTTON

Selectable as permanently "open", permanently "closed" or "auto".

COUNTERS

Each input and output counted up to 100 million.

TERMINALS

- 1 230V AC LIVE CIRCUIT BREAKER
- 2 230V AC NEUTRAL
- 3 MAINS EARTH
- 4 BARRIER RAISE OUTPUT 230V AC
(4 μ F CAPACITOR BETWEEN)
- 5 BARRIER LOWER OUTPUT 230V AC
- 6 NEGATIVE FOR INPUTS & LOOP INPUT
- 7 CASH REGISTER OR TICKET VENDOR INPUT
- 8 CARD READER OR FREE EXIT INPUT
- 9 CLOSING LOOP INPUT
- 10 SPARE

TICKET DISPENSER OUTPUT

Open collector NPN transistor rated at 40V, 400 mA
