Control Units MAGTRONIC

MSC

Technical data:		MSC
Voltage (+/- 10%)	Volt	24
Frequency	Hertz	50–60
Max. power consumption	Watt	60
Temperature range	° C	0-55°
Protection type	IP	20
Weight	Gram	600
Dimensions	L - B - H	152x74x118

The MSC Controller

The MSC Controller has been specifically developed for control of our electromechanical series of MPT and MPP pedestrian control products which utilise solenoid technology for locking and unlocking of the turnstile mechanism.
It was our objective to enhance our well known electromechanical devices with a versatile control unit offering an alternative to our existing motor technology.
The heart of this control unit is a microprocessor which controls the various semi - conductors and relay outputs. Additional functions such as a watchdog timer and cycle counter have also been incorporated within the design.
The upper section of the housing contains the terminal strip for all wiring connections, an RS232 interface as well as the logic DIP switch and trimming potentiometer.
This DIP switch and potentiometer allow for the adjustment or changing of the operating parameters whereas the RS232 interface allows high level control and/or updating of special programs if required.

Adjustments:

RS232 Interface

Updating of new software
Changing of available software

- High level control of either the MPP/MPT
- High level communication with windows based software

DIP switch

- Product selection - MPP or MPT
- Multiple input memory - ON / OFF
- Locking delay time - ON / OFF
- Solenoid operation left - NORMAL INVERTED
- Solenoid operation right - NORMAL INVERTED

Potentiometer

Hold open time

Operating modes

- Pulse input to release
- Pulse input to release with multiple input memory
- Permanent input to release – both directions
- Pulse input to release - one direction, permanent release in the opposite direction

For operating the control unit it is necessary to connect different inputs and outputs according to the connection diagram. Further available inputs/outputs can be used as per the requirements.

Inputs

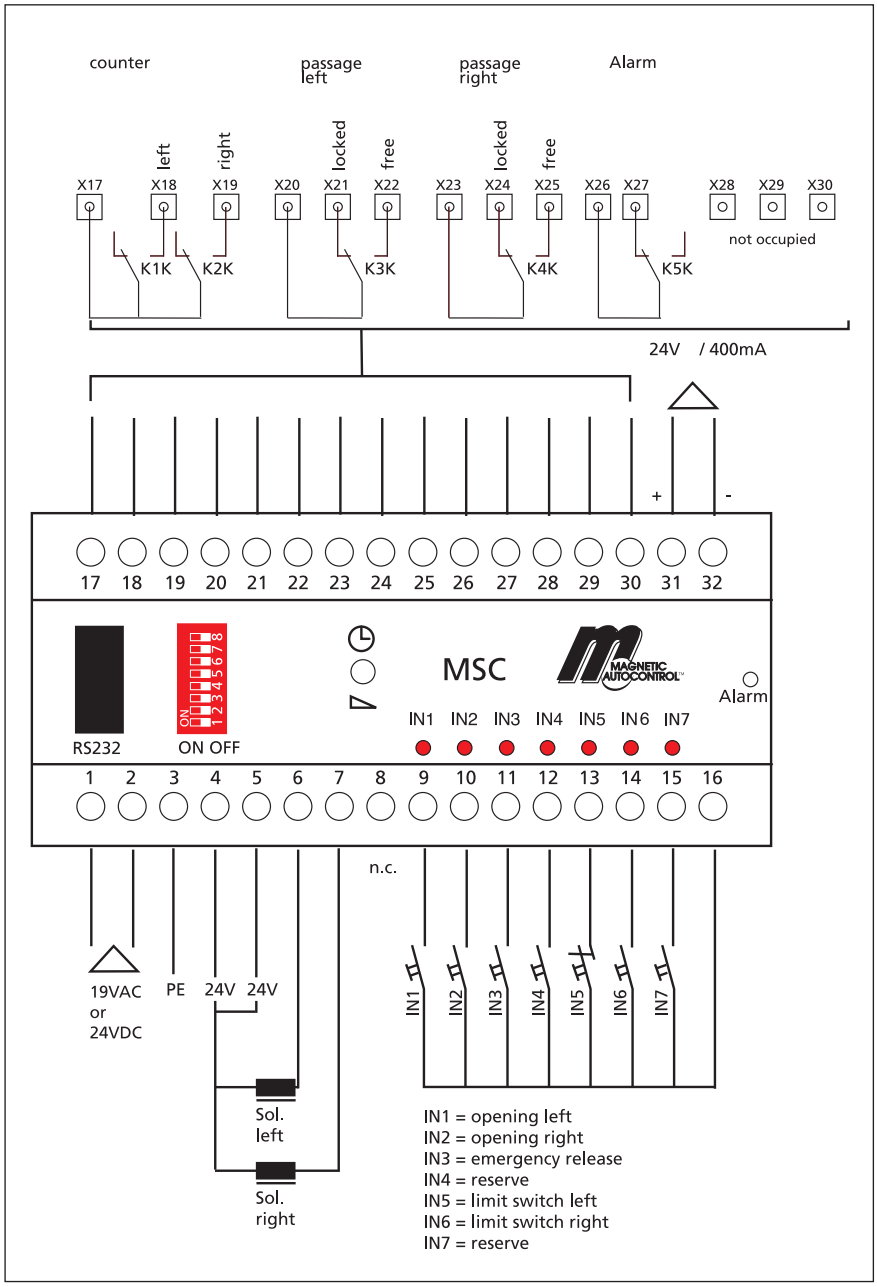
- Open left (LED)
- Open right (LED)
- Emergency open (LED)
- Inputs 4–7 used for internal connections (LED)

Semi-conductor outputs

- Solenoid left
- Solenoid right

Relay outputs

- Pulse counter left
- Pulse counter right
- Gate in use – left
- Gate in use – right
- Alarm – watchdog



DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	function
X	Imp.	X	X	X	X	X	X	ON = pulse storage
X	X	Stop	X	X	X	X	X	ON = locking delay function
X	X	X	ON	OFF	X	X	X	Test = toggle all outputs
X	X	X	OFF	ON	X	X	X	Test = software version
X	X	X	ON	ON	X	X	X	Test = inputs -> outputs
X	X	X	X	X	ON	X	X	Invert output left
X	X	X	X	X	X	ON	X	Invert output right