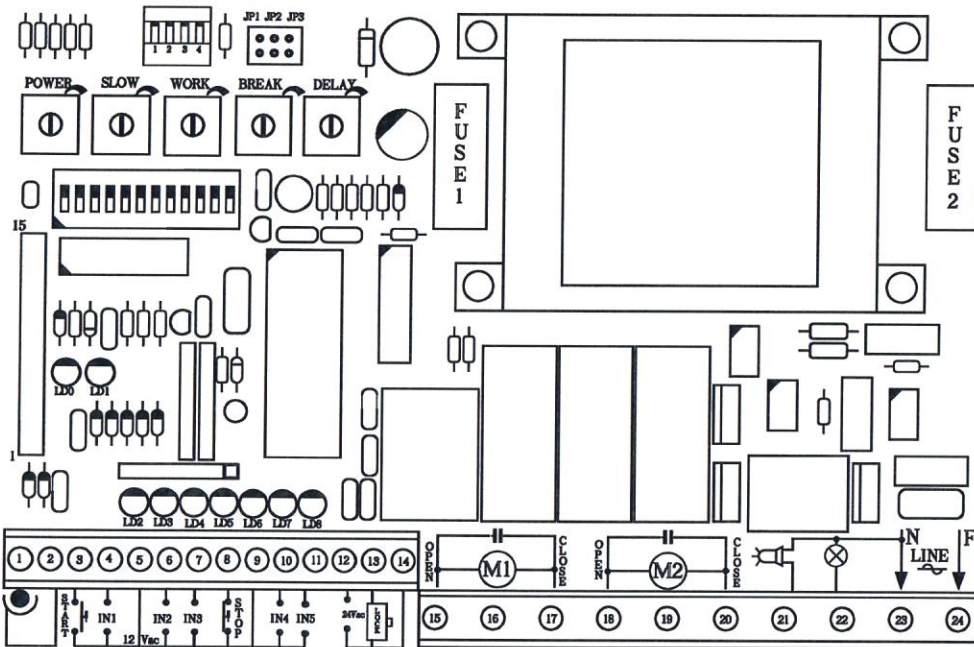


SEE PAGE 3
FOR SETTINGS



MORS	SWING GATES	SLIDING GATES	OVERHEAD DOORS
1	Antenna input	Antenna input	Antenna input
2	Antenna shield	Antenna shield	Antenna shield
3	Start (n.o.)	Start (n.o.)	Start (n.o.)
4	Dead man oppening (n.o.)	Dead man oppening (n.o.)	Manual opening (n.o.)
5	Common (12 Vdc)	Common (12 Vdc)	Common (12 Vdc)
6	Photocell 1 (n.c.)	Photocell 1 / Pneumatic skirt (n.c.)	Manual closing (n.o.)
7	Photocell 2 (n.c.)	Photocell 2 (n.c.)	Photocell 1 (n.c.)
8	STOP (n.c.)	STOP (n.c.)	STOP (n.c.)
9	12 Vdc output	12 Vdc output	12 Vdc output
10	Manual opening (n.o.)	no/nc Opening limit switch (Check DIP 4)	no/nc Opening limit switch (Check DIP 4)
11	Manual closing (n.o.)	no/nc Closing limit switch (Check DIP 4)	no/nc Closing limit switch (Check DIP 4)
12	24 Vac output 500mA max	24 Vac output 500mA max	24 Vac output 500mA max
13	Electric lock output 12Vac 15W max	Electric lock output 12Vac 15W max	Electric lock output 12Vac 15W max
14	0 Vac output	0 Vac output	0 Vac output

Tab.1

15	Open motor 1
16	Common motor 1
17	Close motor 1
18	Open motor 2
19	Common motor 2
20	Close motor 2
21-23	Blinking light 220Vac
22-23	Courtesy light 220Vac
23-24	Power supply 220Vac/50Hz

ELECTRICAL CONNECTIONS

SETTING UP PROGRAMS

SETTING UP KIND OF AUTOMATION

Kind of automation	Jp 1	Jp 2	Jp 3
Swing gates	ON	OFF	OFF
Sliding gates	OFF	ON	OFF
Overhead doors	OFF	OFF	ON

PROGRAMS	DIP 1	DIP 2	DIP 3	DIP 4
Program 1 (Manual)	OFF	OFF	OFF	X
Program 2 (Semi-automatic 1)	ON	OFF	OFF	X
Program 3 (Semi-automatic 2)	ON	ON	OFF	X
Program 4 (Automatic)	ON	ON	ON	X

ROLLING STEEL INDUSTRIES INC.

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FUNCTIONS

DIP-SWITCH Functions		
DIP1	ON:	automatic closing ON
	OFF:	automatic closing OFF
DIP2	ON:	Start opens during the closing phase enabled
	OFF:	Start opens during the closing phase disabled
DIP3	ON:	Start enabled during dwell time and opening phase
	OFF:	Start disabled during dwell time and opening phase
DIP4		
SWING GATES	ON:	1 sec. inversion on opening enabled
	OFF:	1 sec. inversion on opening disabled
SLIDING GATES	ON:	Limit switch N. O.
	OFF:	Limit switch N.C.
OVERHEAD DOORS	ON:	Limit switch N. O.
	OFF:	Limit switch N.C.

WARNING:

- \subset \in 95 directives:89386/CEE
(Electromagnetic compatibility)9368/CEE
(low voltage).

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UNIVERSAL CONTROL UNIT ST96

SETTING UP THE CONTROL UNIT:

- Select the automation by using the jumpers JP1, JP2, JP3
- Set the work time from 8sec up to 40sec (72 sliding gates) by using trimmer WORK
- Set the dwell time from 0sec up to 60sec by using trimmer BREAK
- Set the delay time of M1 respect M2 during closing from 0 up to 16sec by using T.DELAY
- Set the deceleration time (slow matching) from 0 up to 16sec by using trimmer SLOW
- Set the power of motors from 0 up to max power by using trimmer POWER
- Check the electrical connection (Tab.1)

CONTROL UNIT FEATURES

- Save relay system (Zero crossing)
- Diversified blinking on opening (1Hh) and closing (3Hz).
- Courtesy length up to 2 min. after the end of both closing and opening phase.
- Times memorisation.
- Radio receiver on-board
- Deceleration on both opening and closing phase.
- Inversion on closing phase by means of pneumatic skirt.
- Checking LEDs on inputs.
- LEDs for checking input connections.

Technical features

POWER SUPPLY:	220-240Vac 50-60Hz
MOTOR CONNECTION:	2x600VA 220Vac
PROTECTION FUSE F1:	2.5A
PROTECTION FUSE F2:	3.15A
LIGHT OUTPUT:	220Vac 100W max
BLINKER OUTPUT:	220Vac Blinking.
AUX OUTPUT:	24Vac 500mA max
ELECTRIC LOCK:	12Vac / 15W
MOTOR RELAY:	contacts 16A
INVERSION TIME:	2 sec

Power

Adjusts the power setting to give the motor more or less power. It should be set so that when you hold the gate back with a firm hand you should be able to stop it, but if you set it too low the gate may get stuck as the lubricants dry up (Counter clock wise-less power = more power)

Slow

This adjustment is only if you decide to have the end of the gate cycle in slow motion. This reduces any slamming of the gate, adjust counter clock wise for less slow motion clockwise for a longer duration of slow motion

Work

This controls the length of time the control keeps the gate motors on. It should be set approximately 5 seconds more than the time it takes to cycle the gate from open to close this will compensate for weather conditions and lubricants when conditions are not consistent

Break

This setting controls the time that the gates stay in the open position when the program is set to close automatically See Dip switch setting (Dip 1)

Delay

Controls the length of time the gate remains open in the event that auto closing is set in dip switch setting #

Rolling Steel Industries suggests you use the following settings.