RETRACTABLE TARPS P/L

TARPING SYSTEMS & COMPONENTS

ACN 069 575 711 ABN 34 069 575 711

ROLL-RITE SMART REVERSING RELAY OPERATING GUIDE

1. On all systems with remote operation, you must activate the control box. To switch on (power up or down), both buttons one and two must be depressed on the fob or the control box simultaneously.

2. To cover the truck body or trailer, press close on the in-cab rocker switch or press button one on the remote keyfob. Press button for desired operation shown below.

3. To uncover the truck body or trailer, press close on the in-cab rocker switch or press button two on the remote keyfob. Press button for desired operation shown below.
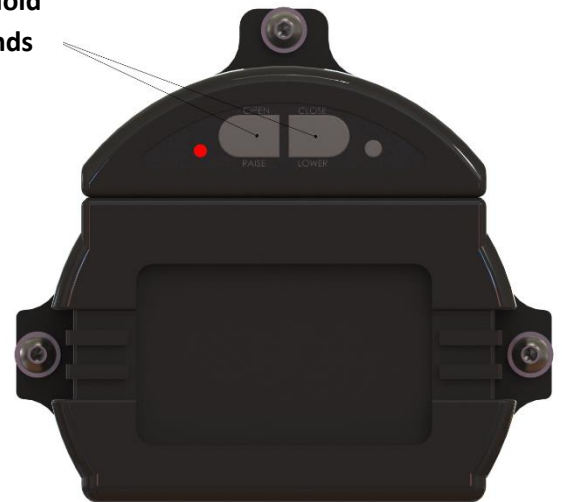
Press and hold for 6 seconds

Figure 1: Standalone Module

REMOTE CONTROL KEYFOB PROGRAMMING

SINGLE FUNCTION RF

1. Once you have all remotes you wish to program ready. Turn the RF control module on, then press and hold the two large buttons (Figure 1) for approximately 3 seconds until a red light flashes on.

2. Push and hold the small round button and the large OPEN/RAISE button (Figure 1) simultaneously, holding for 6 seconds. The light will flash rapidly.

Press for one Second

3. Press the top left button on the first keyfob to be programmed for 1 second (Figure 2: Keyfob button press). The red light will stop flashing momentarily, then begin flashing once again.

4. Repeat step 3 for all keyfobs'.

Figure 2: Keyfob button press

Email: sales@retractabletarps.com.au
WEBSITE: www.retractabletarps.com.au
FAX: (07) 3889 9622

AUTO SHUTOFF PROGRAMMING

1. Pressing small button and large right button will enter timer programming mode. After entering programming mode, the led will flash the number or times for the cycle it is in. Please see the table below for the different programming options.

2. To increase the time, press the left large button and to decrease the time press the large right button the LED will flash accordingly. The unit will time out of programming mode after 10 seconds of no activity. We have set the default time to on indefinitely.

Table 1: Programmable Shutoff Times

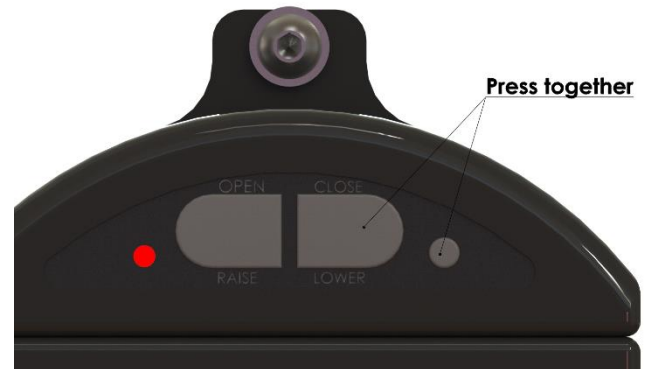| LED Flash	On Time before auto shutdown
1	On Indefinitely (default)
2	2 minute on time
3	4 minute on time
4	6 minute on time
5	8 minute on time
6	10 minute on time

Figure 3: Auto Shutoff Initiation

OPERATION

Rite-TouchTM Operation (One touch functionality)

- Hold button for < 750 ms = incremental operation
- Hold Button for 750 ms – 2.5 seconds = automatic operation
- Hold button for > 2.5 seconds = normal press and hold operation

Features

- Smart over-current protection for 12 Volt systems
- Low voltage and over voltage detection
- No load/miswired/short circuit detection
- Dynamic braking (motor terminals are shunted when power is not applied)
- Ingress Protection Rating of IP56 minimum
- Intelligent motor protection built into controller to prevent overheating or accumulation of heat

Other Specifications

- Short circuit and ignition protected
- Operating Voltage: 7.5 to 15.5 Volts at no load
- Inrush current: capability to handle motor with inrush of up to 300 Amps
- Operating Temperature range (minimum): -20 to 65°C
- Positive Switching

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DUTY CYCLE & LED PROTECTION

Table 2: Programmed Protection Modes for 12 Volt Operation

MODE	AMP RANGE	FUNCTION
A	N/A	Check for Open load/ miswired/ short circuit condition
B	ALL	Motor overheating protection
C	50 Amp	Allow 50 Amp limit for 1 second (module self-protection)
D	80 Amp	Allow operation for 0.075 seconds (system overload protection)

Table 3: Power Status Indicators

LED ACTIVITY	CONDITION	LED DURATION
SOLID	Operating Normally	During normal operation
2 FLASH	System Protection (80 Amps + 75 ms)	Code will repeat twice then reset
3 FLASH	Module Self Protection (50 Amp + 1 s)	Code will repeat until next button press
4 FLASH	Motor overheat Protection*	Code will repeat until next button press
5 FLASH	Over Voltage Protection (V > 15.5 V)	Code will repeat until next button press
6 FLASH	Under Voltage Protection (V < 7.5 V)	Code will repeat until next button press
7 FLASH	Wiring fault (no load, miswired, short)	Code will repeat until next button press

*Note:

$$(Voltage \times Amperage \times (Operating\ Time) - 18 \times (Stationary\ time)) < 58,500\ Joules$$

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