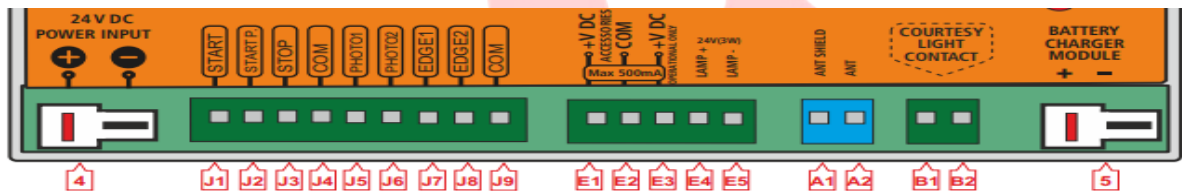


**User Manual (Quick Set-up)
24V DC Sliding Gate Motor-V2
(SGA-TORQ500D-24V)**



1. Control Board Terminals:



Operational Inputs

- J1. Start (Full Operation) Command (N/O)
- J2. Start P. (Pedestrian Operation) Command (N/O)
- J3. Stop Command (N/C)
- J4. Common Ground

Safety Inputs

- J5. Photocell Input 1 (N/C)
- J6. Photocell Input 2 (N/C)
- J7. Safety Edge Input 1 (N/C)
- J8. Safety Edge Input 2 (N/C)
- J9. Common Ground

Accessories Power

- E1. Constant +24V DC Output
- E2. Common
- E3. +24V DC Output Only when in an operating cycle

Lamp Output 24V

- E4. Lamp Output + (24V DC Max 3W)
- E5. Lamp Output - (24V DC Max 3W)

Antenna

- A1. Antenna Shield (applicable with external antenna)
- A2. Antenna Core

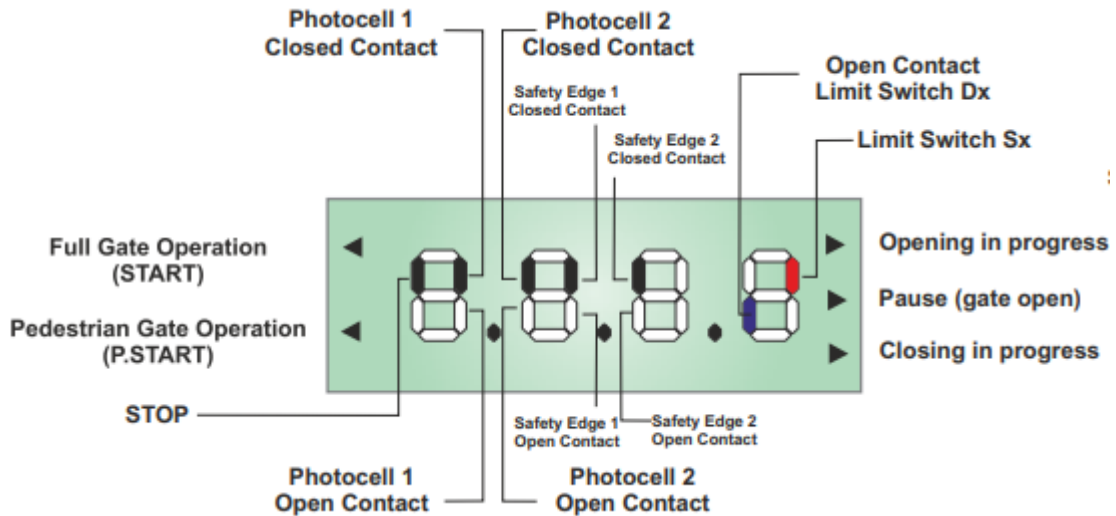
Voltage Supply

- 4. DC Power Input jack (Solar Input)

- 5. Backup Battery **Charger Port** (powered systems only)



2. LCD Interface:



3. Setting the Opening Direction:

Setting the opening direction is a critical step in the installation process allowing the gate system and all its logic system to function correctly.

Opening to the Left (SX)



Opening to the Right (DX)




Use the  keys to cycle to

Press and hold the **OK** button for about two seconds till the screen displays **PrG** then immediately release

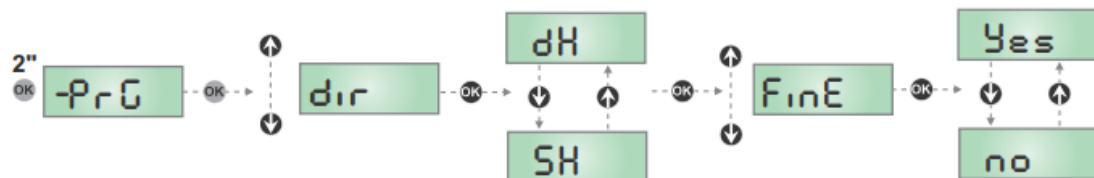
Use the UP/Down keys to cycle to **dir** then press **OK**

dH for gates opening to the right or **SH** for gates opening to the left

Now press **OK**

Use the  keys to cycle to **FinE** then press **OK**

Cycle to **Yes** then press **OK** to Save. Or Cycle to **no** and **OK** to cancel any changes



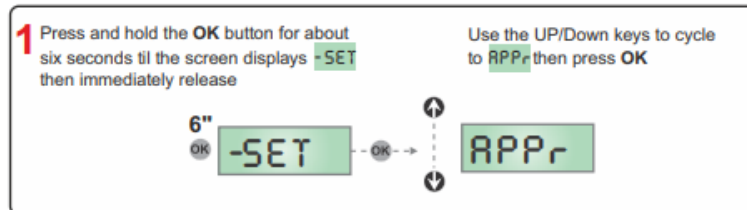
4. Setup Cycle:

- Before running the setup, make sure that the photo beam sensor is bypassed, Parameter Fot2 should be Off (Default).
- Disengage the gate motor using manual override key, move the gate manually to keep it half-open, re-engage the gate motor.

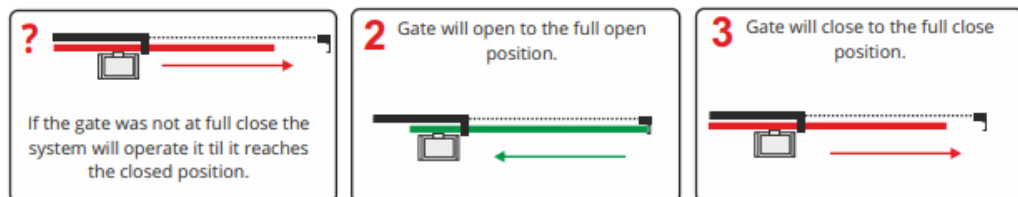
The purpose of the SETUP cycle is so that the gate control panel can learn its opening and closing limits and learn its slowdown. If the control panel is not setup it may run inconsistently and/or may not reach its stopping points and/or slowdown incorrectly.



- Ensure gear rack is not binding with ZERO resistance
- Ensure gate is free of ALL bowing
- Ensure that the motor is firmly fixed
- Ensure that the connections are all correct with no loose wire strands
- Ensure that Sx and Dx magnets are set correctly
- Ensure that the motor operating direction is set correctly



The SETUP cycle will now open and close the gate so that it can learn the travel distance. It will follow the sequence illustrated below.



SGA

5. How to enable the Photobeam Sensor (Default Value is “NO”):

FOT2 Logic (PHOTO 2 Input)

Press and hold the **OK** button for about two seconds till the screen displays **PRG** then immediately release

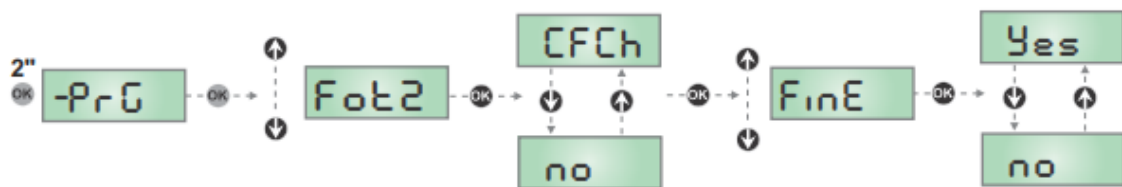
Use the UP/Down keys to cycle to **Fot2** then press **OK**

Use the **↕** keys to cycle to the required logic based on the above options.
CFCh Closing direction only
Ch Opening direction only
no Disabled

Now press **OK**

Use the **↕** keys to cycle to **FinE** then press **OK**

Cycle to **Yes** then press **OK** to Save.
 Or
 Cycle to **no** and **OK** to cancel any changes



6. How to enable & set up Auto-Close Time:

The full gate operation automatic close timer can be configured for anywhere from 5 second up to 20 minutes in 5 second increments. Note the symbol for seconds is " and for minutes is '.

Press and hold the **OK** button for about two seconds till the screen displays **PRG** then immediately release

Use the UP/Down keys to cycle to **Ch.AU** then press **OK**

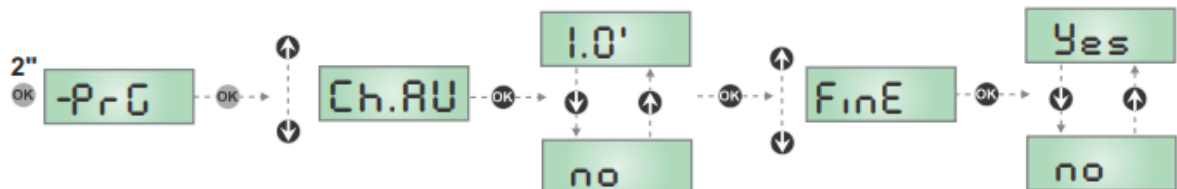
Use the **↕** keys to cycle to

no for no automatic close or **MM.XX** based on your desired auto close time.

Now press **OK**

Use the **↕** keys to cycle to **FinE** then press **OK**

Cycle to **Yes** then press **OK** to Save.
 Or
 Cycle to **no** and **OK** to cancel any changes



7. Settings for Loop Detectors & Gate Timers:

SErE should be set to **or oL** to enable the function of full timer mode

SEoP should be set to **no**, Stop input will be ignored

SE.RP should be set to **no**, this will ignore commands whilst opening

SE.CH should be set to **RPEr**, this will revert the gate to open if a command is given during closure

SE.PR should be set to **PRUS** to reset the automatic closing time when a command is given

8. Reset to Factory Default:

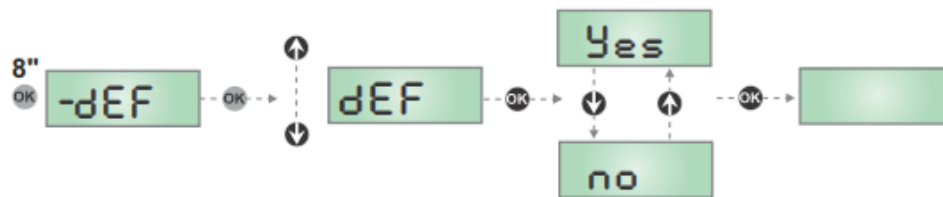
This will set all parameters to default, any changes made to the settings will be lost however remote's and other wireless equipment will remain.

Press and hold the **OK** button for about two seconds til the screen displays **dEF** then immediately release

Use the **UP/Down** keys to cycle to **dEF** then press **OK**

Use the **↻** keys to adjust the logic then press **OK**

System will return to standby



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