LX60 Wiring & Installation Sheet

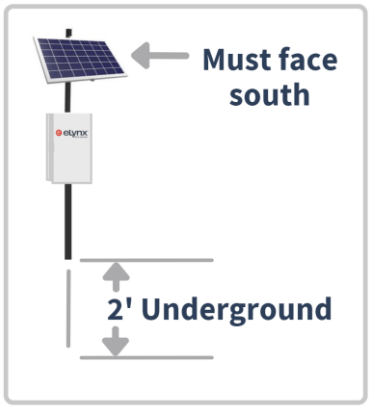
The LX60 modem is a cellular device that is used for its alarm cry-out capabilities. On change of state, the device reports into the eLynx interface, allowing configured alarms to go out to alarm recipients.

Enclosure

1. The enclosure is typically mounted on a 10' X 2" conduit pole. The enclosure should be at eye level, and the solar panel mounted above it.
2. Mount the enclosure to the 2” pipe using the provided 2” Unistrut clamps.
3. The field wiring will be run into the enclosure via the 1/2" cord grip that is installed. Customer may add additional cord grips to manage additional wires.

Solar Panel

1. Mount the solar panel to the 2” pipe using the provided 2” U-bolt.
2. The solar panel must face south to allow for maximum charging.
3. Use zip ties to secure the excess wire to the pole.
4. Run the solar panel wire into one of the enclosure's side cord grips.



Power

Battery

The battery will be placed in the bottom of the enclosure.

1. Connect red wire from battery positive to terminal strip #3.
2. Connect black wire to negative to terminal strip #4.

Solar Panel

1. Connect black wire to negative on terminal strip #2.
2. Connect red wire to positive on terminal strip #1.

Solar Charge Controller

The wiring between the controller and the termination strip has been prewired for you.

WARNING: When wiring the battery and solar panel to the charge controller, always connect the battery first, then the solar panel. When removing wires from the charge controller, reverse the above action and disconnect the solar panel then the battery. Connecting the solar panel to a controller with no battery load can possibly damage the controller.

Cellular Modem

Modem

1. Connect red and white wires from the modem to terminal strip #5.
2. Connect the black to terminal strip #6.
3. Connect Green wire to terminal strip #9 Top.
4. Mount modem to the inside back of enclosure using provided 3M dual lock fastener.

Antennas

1. An external high gain MIMO is included in the kit.
2. Mount antenna into the mounting bracket and attach to the mounting Ubolt of solar panel.
3. One cable will be screwed onto the connector labeled "Cell."
4. The other cable will be screwed into the connector labeled "Diversity."

Modem Lights

When powering up for the first time it can take several minutes for the modem to register to the network.

1. When power is applied the power light will turn red and stay red for up to 30 seconds, it will then turn Green and start searching for available carriers.
2. The Network and Signal lights will then both turn Red and begin flashing indicating its searching.
3. When a Network is found, the LED will turn Green and begin to blink, once locked to a carrier it will turn to a solid Green.

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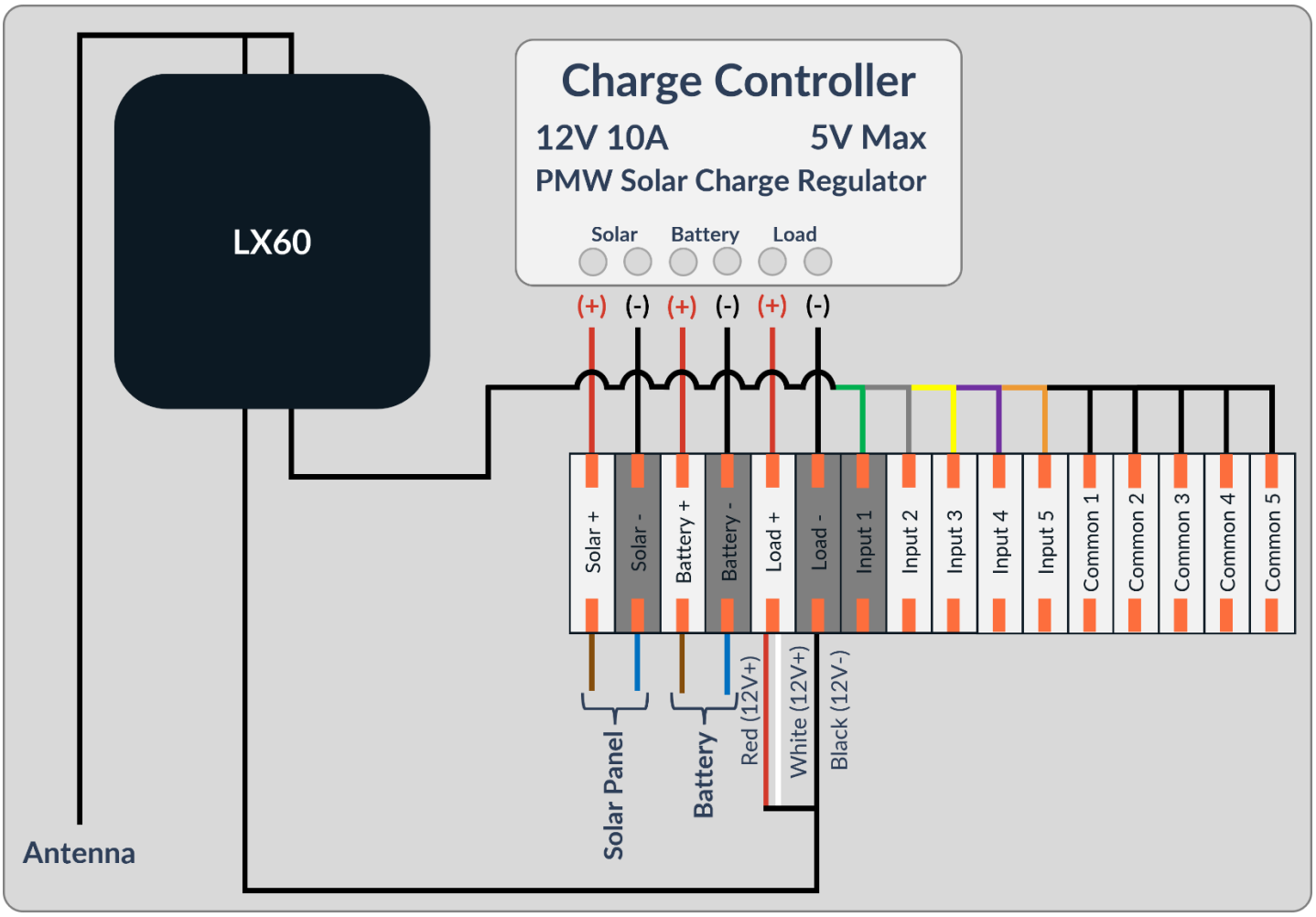
4. The Signal LED will continue to flash and may turn solid.
- Flashing/solid Green LED indicates very good signal.
- Flashing/solid Yellow means good/ok signal.
- If the Signal LED is flashing/solid Red, this means it has a poor/weak signal.

Field Wiring

The field wiring from the alarm end device must be a dry contact. You will use two conductors per alarm. One will be a common wire. One will be a signal wire. Then wiring will be run into the enclosure via a 1/2"cord grip.

1. **Input 1:** Signal wire will run to Input 1. Common wire will run to Common 1.
2. **Input 2:** Signal wire will run to Input 2. Common wire will run to Common 2.
3. **Input 3:** Signal wire will run to Input 3. Common wire will run to Common 3.
4. **Input 4:** Signal wire will run to Input 4. Common wire will run to Common 4.
5. **Input 5:** Signal wire will run to Input 5. Common wire will run to Common 5.

General Input Layout



We're Here to Help

Need help or have questions?
Call or email eLynx Support at: support@elynxtech.com or (866) 303-5969.