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#### ANCILLARY DEVICES

### 24 - 12 VOLT DC-DC REGULATOR WITH RELAY QUICK GUIDE



## 1. Introduction

This configuration acts as a regulator that converts a 24VDC input to a 12VDC output which enables devices such as a POLOphone intercom system to receive power from a 24VDC gate motor. In addition, a relay is included for connecting a pillar light to gate motors that do not provide an onboard relay for this application.

## 2. Technical Specifications

|                            |                                 |
|----------------------------|---------------------------------|
| Input voltage              | 24V - 30V DC                    |
| Regulator Voltage Output   | 12V DC                          |
| Regulator Current Output   | 300mA                           |
| Switching Relay Rating     | 3A @ 12/24V DC and 1A @ 220V AC |
| IP Rating of Housing       | IP56                            |
| Regulator Board Dimensions | 40mm x 57mm                     |

## 3. Wiring Diagrams

### 3.1. Typical Regulator Circuit

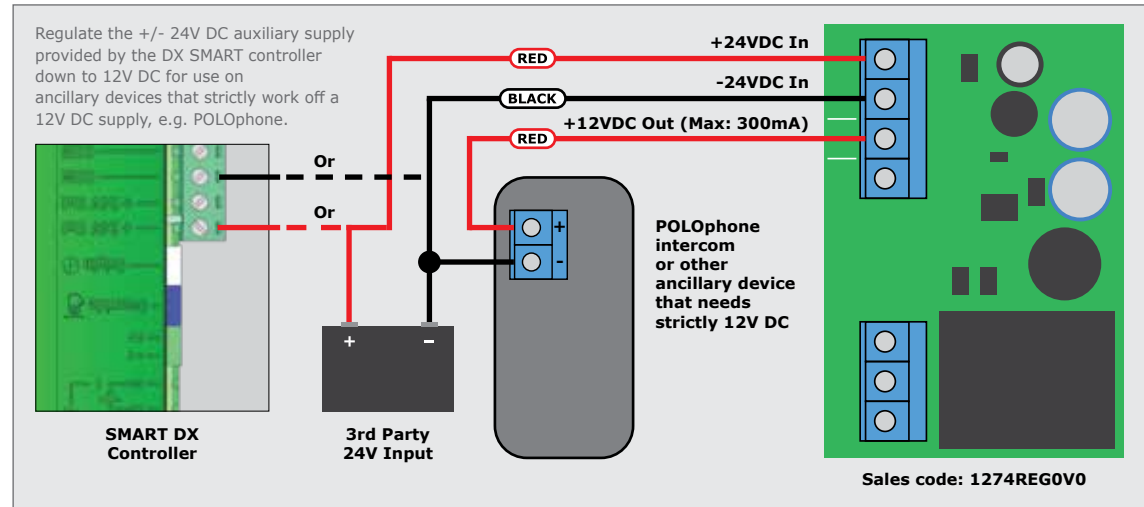
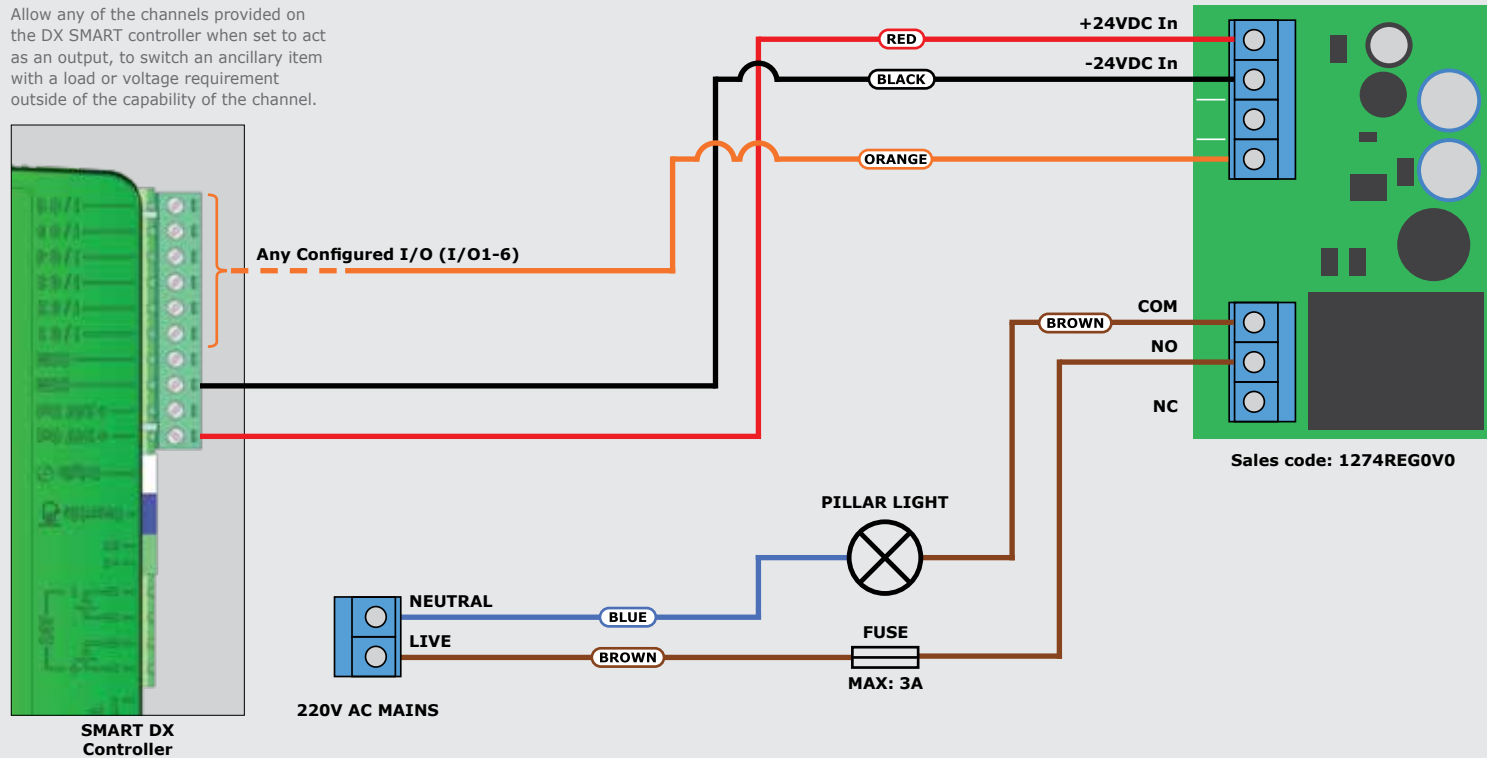


FIGURE 1



### 3.2. Typical Relay Circuit

Allow any of the channels provided on the DX SMART controller when set to act as an output, to switch an ancillary item with a load or voltage requirement outside of the capability of the channel.



## FIGURE 2