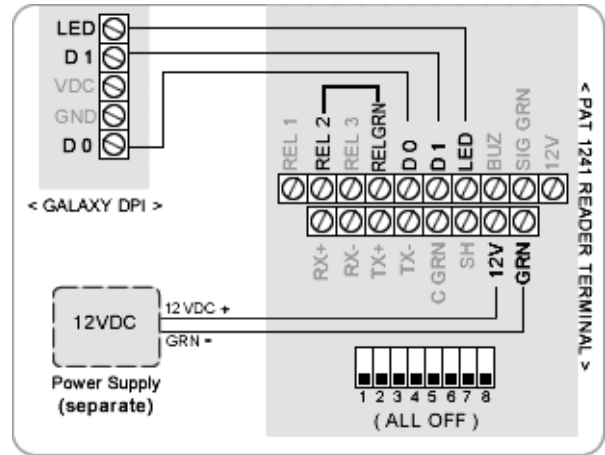


IMPORTANT: Galaxy Wiring & Configuration for SCM PAT1241 Reader

The following configuration supports SCM Microsystems PAT1241 Readers in System Galaxy.

Step 1) SCM Microsystems PAT1241 Reader

- FIRMWARE = F4EE
- Wire **D0** on reader terminal to **D0** on Galaxy DPI terminal
- Wire **D1** on reader terminal to **D1** on Galaxy DPI terminal
- Wire **LED** on reader terminal **LED** on Galaxy DPI terminal
- Use a separate 12V Power Supply for reader (observe polarity)
- Place all dipswitches (1 thru 8) in the OFF position
- CARD RECOGNITION:**
 - For "CAC ONLY": Install jumper wire between REL GRN and REL 2 on back of SCM Reader (as shown in the diagram on the right).
 - For both Prox & CAC: Remove jumper from REL GRN and REL 2 on back of reader. (also see Step 3-D if using optional Schedule Mode)



(Shown with SCM Jumper Installed "Contact Card / CAC Only")

Step 2) SYSTEM GALAXY CONTROL PANEL

- Galaxy CPU = set *Extended Card Format* to 'yes'
 - this can be set using HyperTerminal
 - type 'yes' all lower-case (omit quotation marks)

```
Unit No:      001
Cluster No:   001
Serial Number: 02000080
Software Version: 4.75
CPU Number is: 1
Extended Card Mode: Yes
```

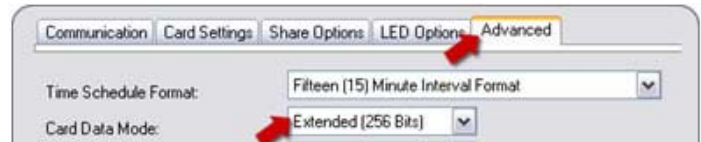
Step 3) SYSTEM GALAXY SOFTWARE

- Go to Loop Properties screen: **Card Settings** tab
 - set Wiegand Start Bit = 0 (zero)
 - set Wiegand Stop Bit = 255

NOTE: This option is enabled through a registry setting. Call Galaxy Technical Support for assistance.



- Go to Loop Properties screen: **Advanced** tab
 - Set Card Data Mode = Extended (256Bits)



- Go to Loop Properties screen: **LED Options** tab
 - set Door Locked = Steady High
 - set Door Unlocked = Steady Low

IMPORTANT: This LOOP-WIDE SETTING affects LED behavior of all readers on the same loop (regardless of reader type).



- Schedule Mode (optional): Go to Reader Properties screen: **Relay 2 Options** tab
 - SCM Jumper must be REMOVED from REL 2 to REL GND .
 - SCM Relay 2 must be wired to DPI Relay 2 (see SG 600 Hardware Guide)
 - When schedule is active (green), reader accepts only CAC+PIN (Prox = disabled) if DPI Relay 2 is wired Normally Open. Inactive (red) would accept both card types.
 - Always test your wiring with schedule in both states to confirm you have configured the Schedule Mode as needed.

NOTE: For instructions on creating schedules, see System Galaxy Software User Guide.
NOTE: This READER-SPECIFIC SETTING only affects the behavior of the selected reader.

