

1
Prog**2**
Run**5**
SpkrPh**0**
Status#
Enter**Ack**
Clear**Arm**
Reset**Disarm**
BDisp
Home

*Remote Monitoring, Control and
Alarm Notification System*











*Quick Reference
Guide*

RUN Mode Commands

Local








-  Status
 -  – System status
 -  – Channel status
-  Enter Programming mode
-  Speaker Phone
-  Activate Relays
-  Acknowledge alarms
-  Arm the DiaLog to make alarm calls
-  Disarm the DiaLog to prevent alarm calls
-  Hangup phone call in progress

Remote







-  Status
 -  – System status
 -  – Channel status
-  Enter Programming mode
-  Listen In
-  Activate Relays
-  Toggle Arm/Disarm
-  or,  or,  Acknowledge Alarms when called

Programming Mode Commands

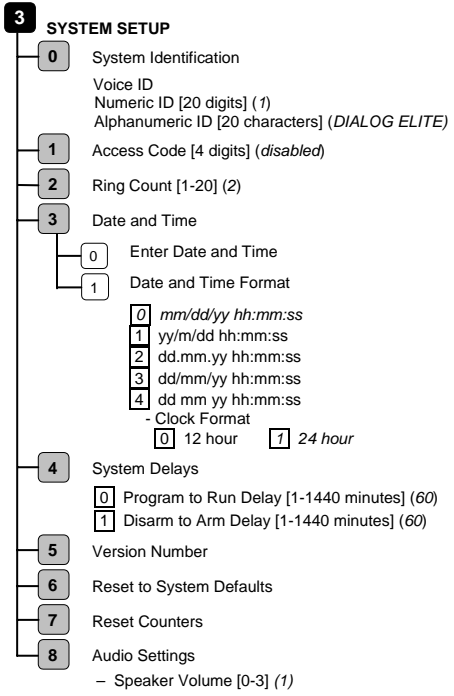
Local

-  Enter Run mode
-  Clear current field
-  Reset to factory setting
-  Erase last character
-  Go to top of menu
-  Enter this entry
-  Global enable

Remote

-  Enter Run mode
-  System Status
-  Reset to factory setting
-  Home –top of menu
-  Enter this entry
-  Global Enable

Programming Mode Commands



4 PHONE SETUP

- 0 Primary Phone List
- or-
- 1 Secondary Phone List
 - N N List Number [1-16]
 - N N List Position [1-16]
 - 0 Telephone Number (50 digits)
 - * 0 1 Modem – * 3 Fax
 - Modbus RTU * 5 Alpha Pager
 - * 0 2 Modem – * 7 Pager
 - ASCII Status report * 8 Dial Tone Detect
 - * 0 3 Modem – * 9 2-second Delay
 - CSV Status report * * * tone
 - * # # tone
 - 1 Between Call Delay [0-3600] (30)
 - 2 Notify Once
 - 0 – Disabled 1 – Enabled
 - 3 Call Progress
 - 0 Disabled
 - Call Progress Delay [0-60 seconds] (5)
 - 1 Enabled
- 2 Call In Acknowledge
 - 0 Disabled
 - 1 Automatic
 - 2 Acknowledge All
 - 3 Acknowledge Specific
- 3 Redial after Acknowledge Delay [0-1440 minutes] (60)
- 4 Redial when busy
 - 0 – Disabled 1 – Enabled
- 5 Message Repeat [1-20 times] (2)

6**SCHEDULES****0**

Status Notification Schedule
Telephone List [0-16] (*disabled*)
Start Time [hh:mm] (*08:00*)
Repeat Interval [0-1440 minutes] (*1440*)

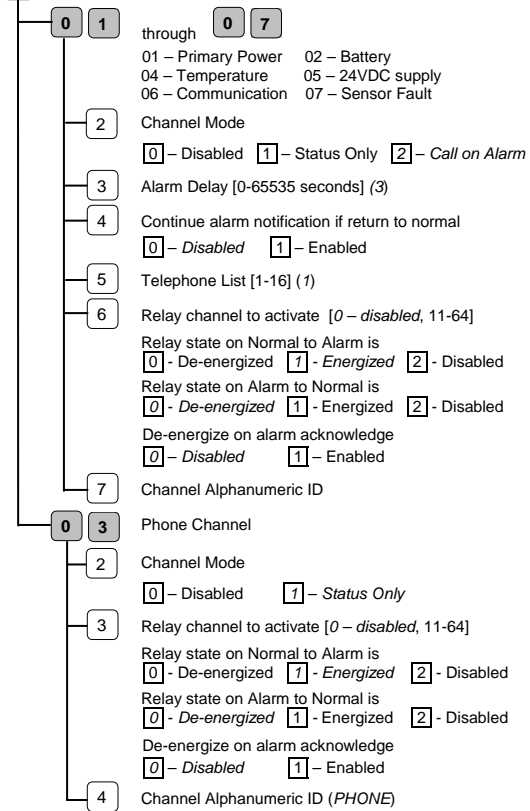
1

Telephone List Schedule
Day [1-8]
Primary List Start Time [hh:mm] (*00:00*)
Secondary List Start Time [hh:mm] (*disabled*)

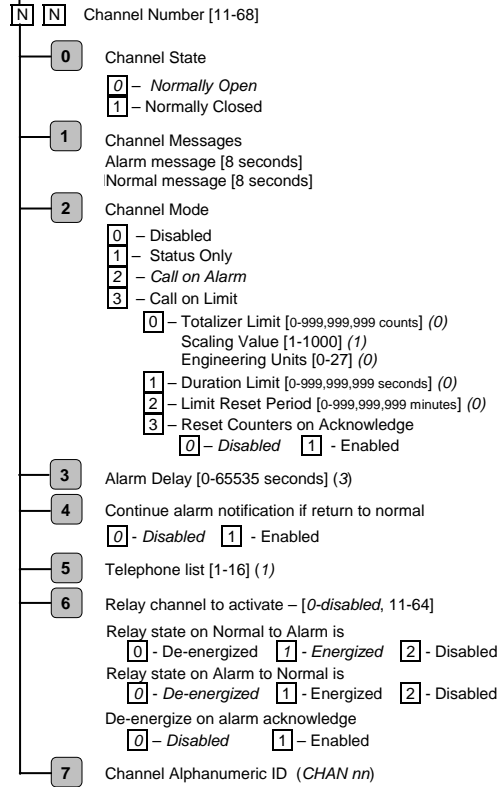
2

Holiday Calendar List
Date [mm/dd] [20 entries]

9 CHANNEL CONFIGURATION (System Channels 01-07)



9 CHANNEL CONFIGURATION (Digital Input Channels)



9 CHANNEL CONFIGURATION (Analog Input Channels)

N Channel Number [11-68] (enter channel # first)

0 Channel Conversion

0 Decimal Position [0-5] (2)
Zero [0-99999] (0)
Full Scale [0-99999] (10000)
Zero Sign [0 – negative, 1 – positive]

1 Engineering Units [0-34] (0)

2 Input Type [0-5] (5)

0	0-1V	3	0-10V
1	0-5V	4	0-20ma
2	1-5V	5	4-20ma

1 Channel Messages

Alarm message [8 seconds]
Normal message [8 seconds]

2 Channel Mode

0 – Disabled
1 – Status Only
2 – Call on Alarm **4** Mode2 **5** Mode3 **6** Mode4

0 - Low Limit (*disabled*)
1 - High Limit (*disabled*)
2 - Positive Rate of Change (*disabled*)
3 - Negative Rate of Change (*disabled*)
4 - Rate of Change Period (*disabled*)

3 Alarm Delay [0-65535 seconds] (3)

4 Continue alarm notification if return to normal

0 - Disabled **1** - Enabled

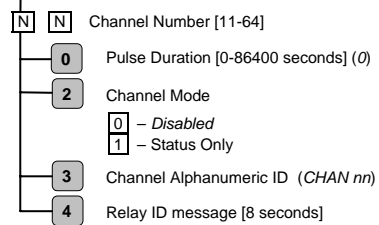
5 Telephone list [1-16] (1)

- 6** Relay channel to activate [0 – disabled, 11-64]
 Relay state on Normal to High Alarm is
 0 - De-energized 1 - Energized 2 -Disabled
 Relay state on High Alarm to Normal is
 0 - De-energized 1 - Energized 2 -Disabled
 Relay state on Normal to Low Alarm is
 0 - De-energized 1 - Energized 2 -Disabled
 Relay state on Low Alarm to Normal is
 0 - De-energized 1 - Energized 2 -Disabled
 De-energize on alarm acknowledge
 0 – Disabled 1 – Enabled
- 7** Channel Alphanumeric ID (*CHAN nn*)

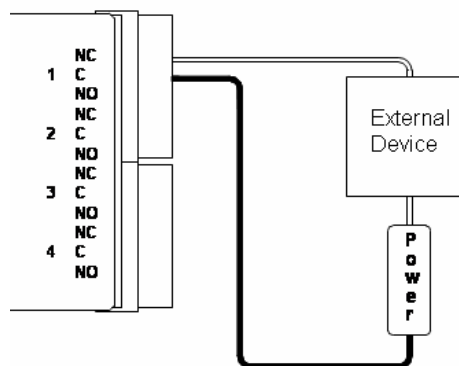
Engineering Units Index

<input type="checkbox"/> 0	disabled	<input type="checkbox"/> 1	<input type="checkbox"/> 8	fps
<input type="checkbox"/> 1	ma	<input type="checkbox"/> 1	<input type="checkbox"/> 9	in
<input type="checkbox"/> 2	a	<input type="checkbox"/> 2	<input type="checkbox"/> 0	ft
<input type="checkbox"/> 3	v	<input type="checkbox"/> 2	<input type="checkbox"/> 1	m
<input type="checkbox"/> 4	deg C	<input type="checkbox"/> 2	<input type="checkbox"/> 2	ppm
<input type="checkbox"/> 5	deg F	<input type="checkbox"/> 2	<input type="checkbox"/> 3	w
<input type="checkbox"/> 6	gal	<input type="checkbox"/> 2	<input type="checkbox"/> 4	kw
<input type="checkbox"/> 7	l	<input type="checkbox"/> 2	<input type="checkbox"/> 5	deg
<input type="checkbox"/> 8	lbs	<input type="checkbox"/> 2	<input type="checkbox"/> 6	psi
<input type="checkbox"/> 9	kg	<input type="checkbox"/> 2	<input type="checkbox"/> 7	pct
<input type="checkbox"/> 1	<input type="checkbox"/> 0	<input type="checkbox"/> 2	<input type="checkbox"/> 8	pH
<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 9	hz
<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 0	khz
<input type="checkbox"/> 1	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1	mgal
<input type="checkbox"/> 1	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	ppb
<input type="checkbox"/> 1	<input type="checkbox"/> 5	<input type="checkbox"/> 3	<input type="checkbox"/> 3	%vol
<input type="checkbox"/> 1	<input type="checkbox"/> 6	<input type="checkbox"/> 3	<input type="checkbox"/> 4	%lel
<input type="checkbox"/> 1	<input type="checkbox"/> 7			

9 CHANNEL CONFIGURATION (Relay Output Channels)

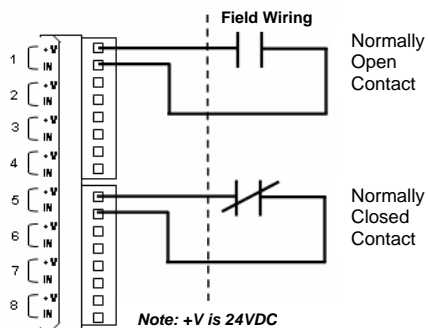


Relay Output Card Wiring

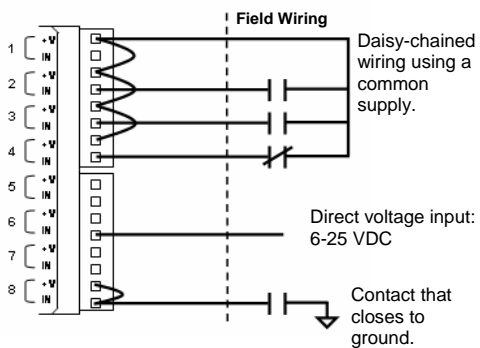


Wiring a DiaLog relay to an external device

Digital Input Card Wiring



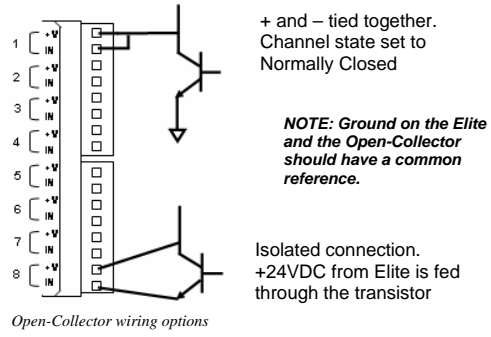
Separate wiring for each input channel



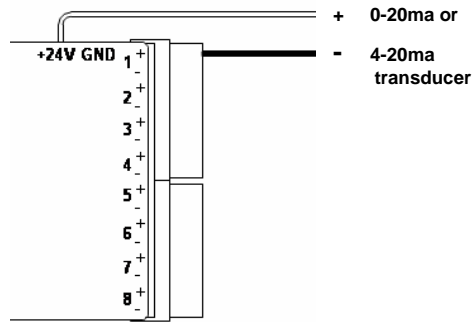
Note: +V is 24VDC

Daisy-chained, direct voltage and closure to ground wiring.

Digital Input Card Wiring

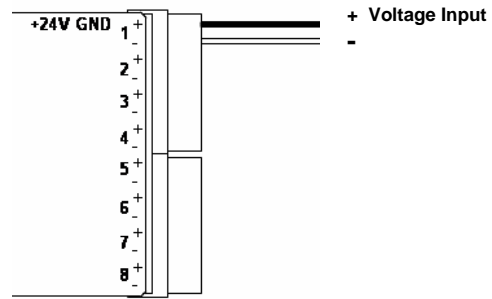


Analog Input Card Wiring

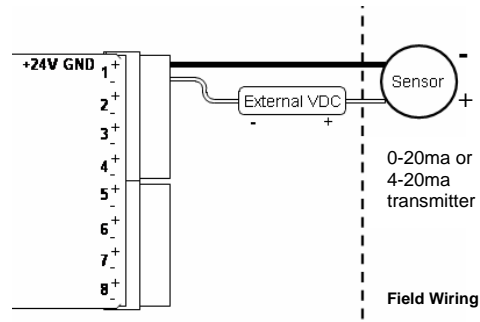


Using internal power supply to drive current sensors

Analog Input Card Wiring



Direct connection of voltage or self-powered current sensor



Using external power source to supply current to sensors

System LEDs

LED	Primary Power	Battery	Phone Line	Elite Status
Off	DiaLog is off	No battery or failure		
Solid Green	Primary power active	Fully charged	Off hook	RUN mode
Blinking Green	In Bootloader	Being charged	Ring detected	Storing Config
Solid Red	Power fail alarm ack'd	Battery low alarm ack'd	Line fault	PROG mode
Blinking Red	Power fail alarm	Battery low alarm		Disarmed

Channel LEDs

LED	Digital Input	Analog Input	Relay Output
Off	Not configured	Not configured	Not configured
Solid Green	Configured	Configured	Configured Not Energized
Blinking Green	In alarm, alarm delay not met	In alarm, alarm delay not met	
Solid Red	In alarm, alarm ack'd	In alarm, alarm ack'd	Energized
Blinking Red	In alarm	In alarm	
Solid Amber	In alarm ack'd Exceeds low alarm in Mode 2 or Mode 3		
Blinking Amber	In alarm, exceeds low alarm in Mode 2 or Mode 3		