

PANEL GUIDE

RCO UC-50 – Dial Capture

Updated April 9, 2025

Latest information

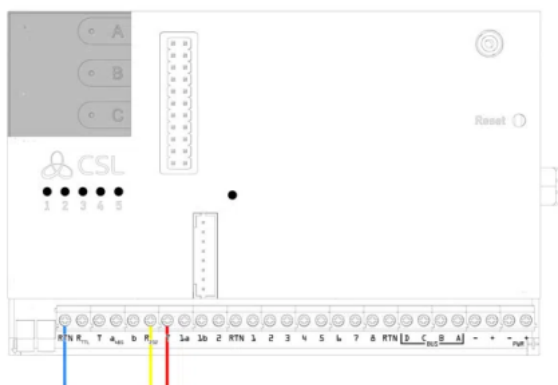
<https://www.csl-group.com/panel-guides/rco/rco-uc-50/>

Panel Connection – Dial Capture

Manufacturer	RCO
Model	UC-50 with LS-50 interface
Version	N/A
Minimum Panel Firmware	N/A
Cable required?	MCM connected to: • DualCom Pro 1 – MCM plug-on module CS.1.402 • DualCom Pro 2 – DI & AL
Panel Profile	GENERIC-ALARMS-MCM-SE
Panel Connection	Dial Capture
Technical Notes	Attach the LS-50 interface card as described below by RCO. Download the R-CARD M5 software from RCO. Turn line detection off.

Panel Connection Information

DualCom Pro 1 – MCM plug-on module – Line A DualCom Pro 2 – DI	PSTN A
DualCom Pro 1 – MCM plug-on module – Line B DualCom Pro 2 – AL	PSTN B



Keys	Description
	The numerical keys on the keypad are used as quick keys, a numerical sequence used as a shortcut to program an option. To program the system using Quick keys: 1. Access the engineer menus (see below) and select the relevant main menu option. 2. Press the quick keys in sequence to locate the parameter and press . Numerical keys are also used to input the numeric codes that may be required for setting, unsetting, or used to activate specific functions.
	Exits from the current menu and returns to Normal Operation mode
	Terminates commands and confirms data to be stored
	Used to browse through the menu: Scrolls up a list or moves the cursor
	Changes data

Panel Programming

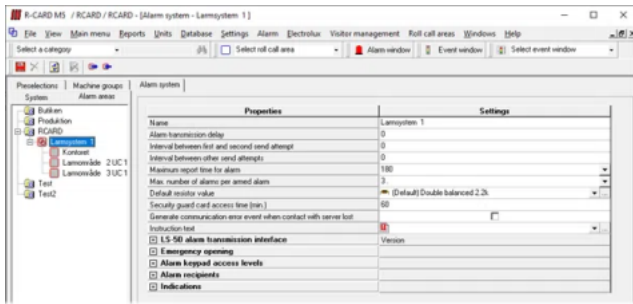
CONNECT THE ALARM TRANSMITTER TO LS-50

Connect incoming PSTN from the alarm transmitter to terminal P8 2 and 3 of the LS-50 interface that is mounted on UC-50

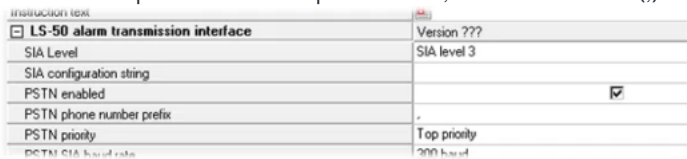


CONFIGURE ALARM TRANSMISSION IN R-CARD M5 CONFIGURE LS-50

1. Select Alarm > Alarm systems/alarm areas
2. Select the Alarm areas tab
3. Select the desired alarm system to display its settings



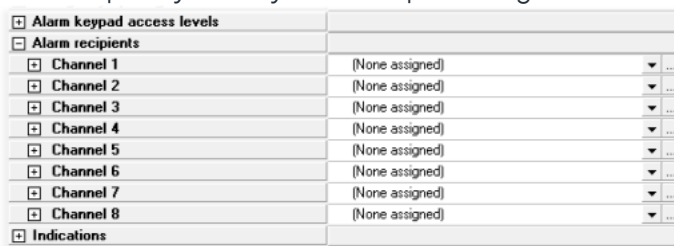
4. Click the plus symbol () by LS-50 alarm transmission interface
5. Select PSTN enabled
6. In the PSTN phone number prefix field, enter a comma (,)



7. Click Save

CONFIGURE ALARM RECIPIENTS (CHANNELS)

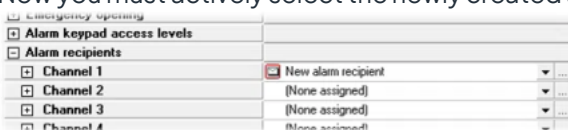
1. Click the plus symbol by Alarm recipients. Eight "channels" are displayed



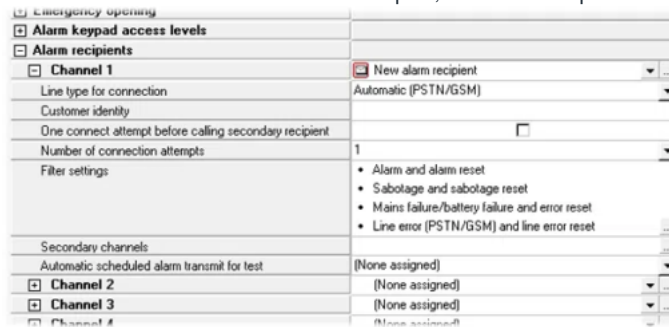
2. Click the dialog opener for the "channel" to be configured. The Alarm recipient dialog box opens
3. Click New



4. Enter a descriptive name
5. In the Recipient type field, select SIA III protocol
6. In the Phone number field, enter a fictional phone number such as 12345678.
7. Click Save and then Close
8. Now you must actively select the newly created alarm recipient. Do this by selecting it in the dropdown list



9. Click Save in the main window.
10. Click the plus symbol by your new “channel” to display its settings.
11. For Number of connection attempts, use the dropdown box to select 1.

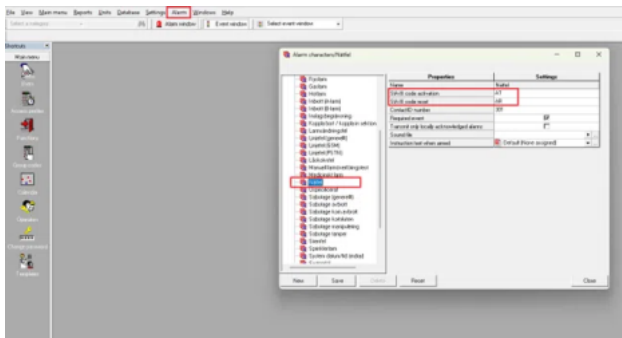


12. Click Save

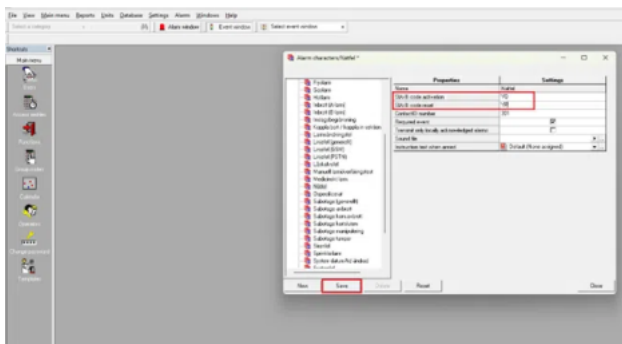
RCO power fail SIA code change

Open the M5 workstation:

Select ‘Alarm’ tab, then ‘Alarm characters’.



Select ‘Natfel’ and amend SIA-III codes to ‘YP and YQ’ and save:



The power fail codes signal in the expected way:

09 Aug 2024, 10:33:13	09 Aug 2024, 10:33:13	Null ARC	(W763690)N000 32 54=H001/YG0005(AAC trouble)	LAN
09 Aug 2024, 10:32:48	09 Aug 2024, 10:32:48	Null ARC	(W763690)N000 32 29=H001/YP0005(AAC trouble)	LAN

SELECT THE ALARM RECIPIENT (CHANNEL) IN THE ALARM AREA

1. Select an alarm area

2. Under Alarm transmission, select the alarm recipient(s)
3. Click Save

Diagnostics – LED SIGNALS IN LS-50

LED	Description
+5V	The circuit board's 5V voltage. Steady light: 5V voltage is OK.
TEL OUT	Line status: – Off: Line relay inactive. The incoming line is forwarded to the outgoing line. – Steady light: Line relay active. The incoming line is disconnected from the outgoing PSTN line. (This is normally because LS-50 is using the line.)
1	Status of telephone line (PSTN): • Off: Inactive. • Steady light: Active. • Blinking: Active but no line is detected.
2	Not used.
3	Alarm transmission: • Off: No alarm transmission. • Blinking: Alarm transmission in progress.
4	Error. Normally off. Steady light means that an internal error has occurred.

LS-50 Specifications

DC specification	(t = +20°C)	Min.	Typ.	Max.	Unit
Supply Voltage	Powered from UC 50	–	–	–	V
Power Usage	Idle Transmitting	–	15–19 27	–	mA mA

Temperature Range	-	+5	-	+40	°C
Weight: 27g	-	-	-	-	-