Thermal printer - Instructions

24hr Standby
082 444 7176

Description

The thermal printer prints simple English descriptions of the standard serial output from the D20 base station. Standard RDC telemetries and expanded (subset of Ademco Contact ID) telemetries are supported. Expanded telemetries show partition, zone or user and a unique telemetry identifier.

Standard RDC telemetries
Prints telemetry description and the word [GENERAL] following the telemetry.

Extended telemetries *(subset of Ademco Contact ID)*
Prints the telemetry description and the associated partition and zone or user values.

Setup

The thermal printer requires the standard D20 3 digit output format (string). Please discuss these settings with the RDC Technical Department if your equipment is not correctly configured.

NB PLEASE NOTE:

Monitoring software changes may be required

The thermal printer requires RDC's standard three-digit telemetry string. The same string will be output from the printer module to your monitoring software if required. Your monitoring software may already be setup to receive an alternate string from the base station in which case a monitoring software change is required.

Please contact your monitoring software supplier prior to installing the thermal printer to make the necessary software changes.

Paper Specifications

Type	Thermal Rolls - 55g/m2 to 70g/m2 Heat sensitive side on outside of roll
Width	57mm (+/- 0.5mm)
Core diameter	13mm
Outer diameter	Max OD Ø 50mm
Core type	Cardboard or plastic

Technical Requirements

Power
The thermal printer requires a 12V DC Supply (10V – 16V DC) and may be connected to the same supply that provides power to the D20 base station. A D20 power cord may be connected directly into the thermal printer.

Serial Cables
The unit is supplied with either one of two serial cable options. A "single" cable option connects the printer to the D20 base station only. The "double" cable option connects the printer to the D20 base station as well as a computer.

Date and Time

The internal date and time is maintained by a small lithium button cell when no power is connected to the unit. The battery should last 5 years or more under normal conditions. Replacement batteries (Cr1220) are available from camera stores, pharmacies and specialized electronic stores.

Please note: The date and time will need to be reset when the battery is changed. Please contact the RDC Technical Department for software and instructions to reset the time and date when required.

Internal Buffer

The thermal printer takes about 1 second to print a complete telemetry. An internal buffer is provided to cope with high data volumes (more than 1 signal per second). The buffer is however not able to cope with sustained high data volumes for long periods of time, without any intervals between the individual telemetries received from the D20 base. Some telemetries may be lost on very busy networks.

RDC™

Standard RDC Telemetries

Decimal telemetry numbers are related to the English descriptions listed below:

000	General Alarm
001	General Lock up
002	General Open up
003	Panic
004	Telemetry 1
005	Telemetry 2
006	Telemetry 3
007	Telemetry 4
008	Battery low
009	Battery restore
010	Mains fail
011	Mains restore
012	Customer test
013	Engineer test
014	Duress
015	Customer error
016	Medical alert
017	Power up
018	Fire alarm
019	Base or repeater self test - *not printed*
020 – 039	Status Lock / 24 hour test
040 – 059	Status Open / 24 hour test
060	Telemetry 5,
061	Telemetry 6
062	Telemetry 7
063	Telemetry 8

Additional Standard Telemetries

064	Phone line fail
065	Phone line restore
066	Tamper 1 open
067	Tamper 1 restore
068	Tamper 2 open
069	Tamper 2 restore
070	Power fail
071	Power restore
072	Zone bypass
073	Alarm reset
074	Periodic test
075	Triggered test
076	PSTN Communication fail
077	False code
078	Fuse fail
079	Fuse restore
080	Wireless unit failure
081	Wireless unit restore
082	Zone expander failure
083	Zone expander restore
084	Zone expander tamper open
085	Zone expander tamper close
086	Keypad failure
087	Keypad restore
088	Keypad tamper open
089	Keypad tamper close
090	Program change
091	Pre alarm
092	Siren 1failure
093	Siren 1 restore
094	Siren 2 failure
095	Siren 2 restore
096	Download
097	GSM transmitter failure
098	GSM transmitter restore
099	No link in GSM
100	GSM jamming
101	General Tamper

A full list of Ademco Contact ID telemetries is available from the RDC Technical department.