

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.



Standard RDC Telemetries

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

000	General Alarm	075	Triggered test
001	General Lock up	076	PSTN Communication fail
002	General Open up	077	False code
003	Panic	078	Fuse fail
004	Telemetry 1	079	Fuse restore
005	Telemetry 2	080	Wireless unit failure
006	Telemetry 3	081	Wireless unit restore
007	Telemetry 4	082	Zone expander failure
008	Battery low	083	Zone expander restore
009	Battery restore	084	Zone expander tamper open
010	Mains fail	085	Zone expander tamper close
011	Mains restore	086	Keypad failure
012	Customer test	087	Keypad restore
013	Engineer test	088	Keypad tamper open
014	Duress	089	Keypad tamper close
015	Customer error	090	Program change
016	Medical alert	091	Pre alarm
017	Power up	092	Siren 1 failure
018	Fire alarm	093	Siren 1 restore
019	Base or repeater self test - <i>not printed</i>	094	Siren 2 failure
020 – 039	Status Lock / 24 hour test	095	Siren 2 restore
040 – 059	Status Open / 24 hour test	096	Download
060	Telemetry 5,	097	GSM transmitter failure
061	Telemetry 6	098	GSM transmitter restore
062	Telemetry 7	099	No link in GSM
063	Telemetry 8	100	GSM jamming
		101	General Tamper

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

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



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