

CHAPTER 13 Specifications

CHEETAH MAIN BOARD (CSC)

MAIN POWER (P1)

120Vac (02-3936), 208/240Vac (02-3938), 2.0A, 50/60 Hz

Supervised, non-power-limited

Supports max. 1.0 A (external power) normal standby and 5.0 A (external power) alarm

SECONDARY POWER (P1)

24 Vdc, max 65 AH of batteries, max charge current 3A, max discharge current 15A

System may be powered completely by a Listed Uninterruptable Power Supply (UPS) rated 120Vac or 24Vdc

RELAY CONTACTS (P2)

Alarm, trouble, supervisory dry contracts rated 30Vdc, 2A or 110Vac, 0.5A

May connect to power-limited or non power-limited sources. One terminal must be left vacant to separate power-limited from non power-limited if both used.

RS-232/RS-485 (P3) (P4)

Used for Vesda, Graphic Annunciator and Cheetah Tracker. Refer to their manuals for specific parameters.

AUXILIARY POWER (P4)(P5)

Resettable auxiliary power (P4) rated 24Vdc, 2A (max) Power-limited

Non resettable auxiliary power (P5) rated 24Vdc, 2A (max) (each), Power-limited

COMMUNICATION LOOP (P6)(P7)

Max 127 devices per loop, style 4, 6 or 7, 50 ohms total line impedance (max)

40Vdc, 100 mA (max) current (each), Power-limited, Supervised

NOTIFICATION CIRCUITS (P8)(P9)

24Vdc, 2A (max) (each), style Y (requires 100k eol p/n 10-2238) or style Z

SUPPLEMENTAL POWER SUPPLY (SPS)

MAIN POWER (P21)

120Vac (02-3936), 208/240Vac (02-3938) @ 2.0A, 50/60 Hz

Supervised, non-power-limited

Increases max. external normal standby current to 2.0A and max. external alarm current to 10.0A

SECONDARY POWER (P21)

24 Vdc, max 65 AH of batteries, max charge current 3A, max discharge current 15A.

AUXILIARY POWER (P22)

Non resettable auxiliary power rated 24 Vdc, 2A max (each), power-limited

SUPPLEMENTAL LOOP MODULE (SLM)

COMMUNICATION LOOP

Max 127 devices per loop, style 4 or 6, 50 ohms total line impedance (max)
40Vdc, 100 mA (max) current (each), Power-limited, Supervised

CHEETAH RELAY MODULE (CRM4)

RELAY CONTACTS

Dry contacts, rated 30Vdc, 2A or 110Vac, 0.5 A

May connect to power-limited or non power limited sources, if both used on same terminal block, one terminal must be left vacant to provide required separation between sources.

FAST RESPONSE CONTACT MODULE (FRCM)

INPUT CIRCUIT

50 ohms max line impedance, monitors normally open or normally closed contacts.
requires 100k end of line resistor (p/n 0400-01044)
power-limited, supervised

SUPERVISED OUTPUT MODULE (SOM)

NOTIFICATION CIRCUIT

30Vdc, 2A (max), 50 ohms (max) line impedance
requires 10K EOL (p/n 0400-01046).
power-limited, supervised

SOLENOID RELEASING MODULE (SRM)

ARM/SOLENOID CIRCUIT

30Vdc, 2A(max), supervised, power-limited
can be configured either for ARM, solenoid or master box use

ARM (squib) CIRCUIT

connects to 6 (max) Auxiliary Releasing Modules (ARM)
requires 2.7K EOL (p/n 0400-01057)

SOLENOID CIRCUIT

connects to compatible solenoids, refer to Section 1.7

CITY TIE CIRCUIT

rated for 1500' of 18 A.W.G.
Trip Coil rated 14.5 ohms

DUAL RELAY MODULE (R2M)

RELAY CONTACTS

Dry contacts, 30Vdc, 2A (max) or 110 Vac, 0.5a (max)

May connect to power-limited or non power limited sources, if both used on same terminal block, one terminal must be left vacant to provide required separation between sources.