

DISPLAY DEVICES

Temperature Controller RS232 Interface

Version 1.10.06

Hardware

Standard three pin hookup, 2,3,5, on DB9.

Baud rate 9600,N,8,1.

No handshaking.

Software

ASCII letters followed by a delimiter and carriage return (ASCII 13).

Commands from Host to Controller:

Command	Description	Example
Q	Request Current Temperature	Q↵
Axxx	Set Fan Level 1	A20↵
Bxxx	Set Fan Level 2	B25↵
Cxxx	Set Alarm Level	C40↵
Dxxx	Set Power Cutoff Level	D50↵

xxx-temperature ↵ Carriage Return (13)

Communications from Controller to Host:

Command	Description	Example
T xxx	Current Temperature	T 19↵
G	Fan Level 1 On	G↵
H	Fan Level 2 On	H↵
I	Alarm On	I↵
J	Power has been switched off	J↵
S (O,C)	Door Switch is Open/Closed	SO↵ SC↵
M	Motion Sensor Tripped	M↵
K	Received Set command, Executed OK	K↵
X	Can not understand Command	X↵

xxx-temperature ↵ – Carriage Return (13)

Notes:

All temperatures are in Celsius.

Host program to convert to Fahrenheit if required.

G,H,I,J are sent every few seconds when those levels have been tripped.

S is sent upon change of state.

M is sent upon shock sensor being tripped.

Temperature set range is from 1 to 80, Celsius.

Return temperature has a space after the 'T' if positive, a – if negative.

Return temperature range is –60 to +80.

05/05

tel: 303.412.0399

fax: 303.412.9346

1

5880 Sheridan Blvd., Arvada, Colorado 80003

www.displaydevices.com

tech@displaydevices.com