D1700 Series Command Set

The DGH D1700 series products use a simple command and response protocol. A module must be interrogated by a host computer to obtain data. A module will never initiate a command sequence in order to prevent communications collisions.

A command is initiated with a command prompt, may be a dollar sign ($) or pound sign (#). Following the prompt a single address character must be transmitted. Each module on a communications bus must be setup with a unique address. The address is followed by a two character command. Every command is terminated with a carriage return.

The module response begins with a response prompt, which is an asterisk (*) followed by the necessary data. Every response is terminated with a carriage return. Linefeeds after the carriage return are user selectable. See the table below for typical commands and their respective response messages.

Command Definition	Typical Command	Typical Response
ACK - Acknowledge	$1ACK	*
CB - Clear Bit	$1CB0C	*
CP - Clear Position	$1CP12	*
DI - Digital Input	$1DI	*0007
DO - Digital Output	$1DO1234	*
RA - Read Assignments	$1RA	*0F0F
RAB - Read Assignment Bit	$1RAB0E	*O
RAP - Read Assignment Position	$1RAP14	*I
RB - Read Bit	$1RB0E	*1
RD - Read Data	$1RD	*+99999.99
RE - Read Event Counter	$1RE	*0001107
RID - Read IDentification	$1RID	*BOILER
RIV - Read Initial Value	$1RIV	*0F0F
RP - Read Position	$1RP14	*0
RS - Read Setup	$1RS	*31070002
RSU - Read Setup	$1RSU	*31070002
RWT - Read Watchdog Timer	$1RWT	*+00010.00
SB - Set Bit	$1SB0C	*
SP - Set Position	$1SP12	*
WE - Write Enable	$1WE	*
Write Protected Commands		
AIB - Assign Input Bit	$1AIB0E	*
AIO - Assign Input/Output	$1AIO0F0F	*
AIP - Assign Input Position	$1AIP14	*
AOB - Assign Output Bit	$1AOB0E	*

AOP - Assign Output Position	$1AOP14	*
CE - Clear Events	$1CE	*
EC - Events Clear	$1EC	*0000100
ID - IDentification	$1IDBOILER	*
IV - Initial Value	$1IV0F0F	*
RR - Remote Reset	$1RR	*
SU - Setup	$1SU310701C2	*
WT - Watchdog Timer	$1WT+00010.00	*
Continuous Input/Output Mode Commands		
CIA - Set Continuous Input Address	$1CIA31	*
CMC - Continuous Mode Change	$1CMC	*
CMD - Continuous Mode Disable	$1CMD	*
CME - Continuous Mode Edge Triggered	$1CME	*
CMT - Continuous Mode Timer	$1CMT	*
CT - Continuous Time (Set Time)	$1CT+00010.00	*
RCM - Read Continuous Mode	$1RCM	*D,T,E,C
RCT - Read Continuous Time Variable	$1RCT	*+00010.00
RIA - Read Continuous Input Address	$1RIA	*31
Notes: 1. The D1711 and D1712 modules utilize the D1700 series command set. Click here to view the D1700 command set. 2. The D1701 and D1702 modules utilize the D1000 series command set. Click here to view the D1000 command set.		