Dumser, Jim

From:	Giumarra, Robert [robert.giumarra@dmecorp.com]
Sent:	Thursday, 09 March 2006 10:00 AM
To:	Ash, Paul; Ginn, James; Colson, Joe
Cc:	Dumser, Jim
Subject:	FW: ****POSSIBLE SPAM**** RE: DME 65CS4

Joe-

Below is the response I received from North Atlantic regarding the Syncro. Hope this answers your questions.

Robert Giumarra
DME Corporation
407-381-6062 x2859

-----Original Message-----
From: Amir Shafy [mailto:AShafy@naii.com]
Sent: Wednesday, March 08, 2006 6:39 PM
To: Giumarra, Robert
Cc: Randy Agosti
Subject: ****POSSIBLE SPAM**** RE: DME 65CS4

Hi Robert;
As I so miserably tried to explain over the phone;

The BUS and TTL triggers relate to the Rotation Command only (current design);

Each DS channel has an independent Trigger Source (and associated Trigger Slope) - there are four sources available;

Trigger Source DS\<grade\>\<channel\>\<b\>TRIG_SOURCE\<b\> \< BUS | INT | EXT | TTL \>\<cr\>\<lf\> DS\<grade\>\<channel\>\<b\> TRIG_SOURCE?\<cr\>\<lf\>	Sets Channel Trigger Source; BUS=Bus, INT=Internal, EXT=External, or TTL=TTL Level Query returns Channel Trigger Source ('BUS','INT','EXT',or TTL')
Trigger Slope DS\<grade\>\<channel\>\<b\>TRIG_SLOPE\<b\> \< NEG | POS \>\<cr\>\<lf\> DS\<grade\>\<channel\>\<b\> TRIG_SLOPE? \<cr\>\<lf\>	Sets Channel Trigger Sense for Positive or Negative going level; NEG=Negative, POS=Position Query returns Channel Trigger Sense ('NEG', or 'POS')

The way it works is as such (utilizing one channel as an example but can be set independent of others);

If the **TRIG_SOURCE** is set to **\<INT\>** (which is default); the DS will rotate upon execution of the ROT_INIT command.

If the **TRIG_SOURCE** is set to **\<BUS\>;** the DS will rotate upon execution of a low level command EDFF(h) - Let me know if you need clarification on this; my understanding was that this was a "known" low level command to VXI system but it is "unknown" to me at the moment.

03/09/2006

If the **TRIG_SOURCE** is set to **<TTL>;** the DS will initiate rotate upon TTL signal application on the VXI chassis backplane I/O P2 connector. This is identified as:

P2-23A   TrigTTL0
P2-24A   TrigTTL2
P2-26A   TrigTTL4
P2-27A   TrigTTL6
P2-23C   TrigTTL1
P2-24C   TrigTTL3
P2-26C   TrigTTL5
P2-27C   TrigTTL7

You can set the individual channel to one of 8 possible signal inputs.

If the **TRIG_SOURCE** is set to **<EXT>;** the DS will initiate rotation upon application of the trigger signal from the front panel connector.

19	Trigger -
37	Trigger +

Please let me know if you require further details/clarifications.

Respectfully,
Amir

From: Giumarra, Robert [mailto:robert.giumarra@dmecorp.com]
Sent: Tuesday, March 07, 2006 9:35 AM
To: Amir Shafy
Subject: RE: DME 65CS4

Hi Amir-

I have a questin for you regarding the Syncro Resolver 65CS4.

1. Do the triggers only apply to source functions, or are they available for measurements as well?
2. What do the BUS and TTL triggers relate to? Are they available at the VXI backplane, or only the 2 pins of the front panel connector (pins 37 and 19)?

Thanks for your help.

Robert Giumarra
DME Corporation
407-381-6062 x2859

03/09/2006