

Each ATV32 as seen below needs to have a modbus address assigned to each drive.

To find the modbus address for each drive you can go to FULL menu, then CON (Communications), then Nd1 (modbus Network)

Add= address number between 1 to 247 (you choose)

tbr= modbus baud rate (you choose per your network speed)

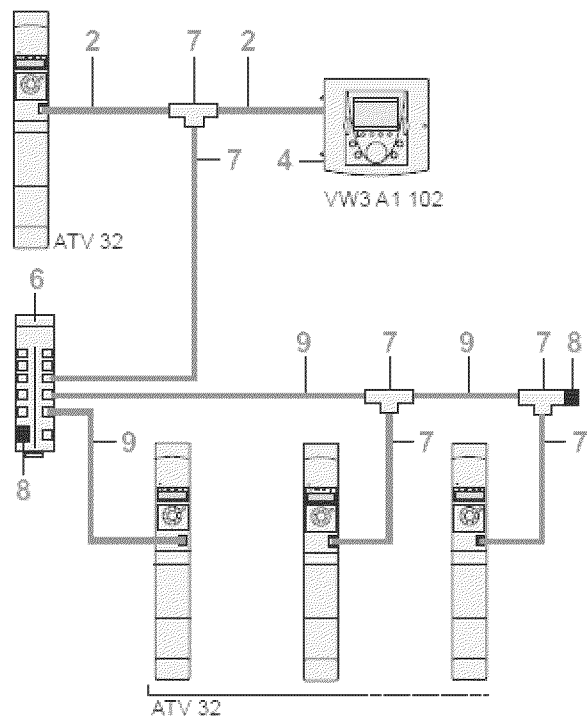
tFO= modbus format (you choose per your network format)

tt0= Modbus Time out factor default is 10 seconds.

Once you set all of your address and connect your HMI into the modbus network you will see connecting in progress and then mulitpoint screen(see bottom of this email)

as seen in the manual below

[MODBUS NETWORK]			
0001- 0001 0001 -	[Modbus Address] [OFF] (0FF) 1 to 247	[OFF] (0FF) to 247	[OFF] (0FF)
0002 ★ 0002 -	[Modbus add Com. C.] [OFF] (0FF) 1 to 247	[OFF] (0FF) to 247	[OFF] (0FF)
0003 0003 0003 -	[Modbus baud rate] 4 8 - 9 6 - 19 2 - 38 4 kbps on the integrated display terminal. 4800, 9600, 19200 or 38400 bauds on the graphic display terminal.		[19.2 Kbps] (19 2)
0004 0004 0004 -	[Modbus format] 8O1 - 8E1 - 8n1, 8n2		[8-E-1] (8E 1)
0005 0005 0005 -	[Modbus time out] 0.1 to 30 s	0.1 to 30 s	10.0 s



Example of connection via multidrop link

Example of connection via multidrop link

All the components described on this page enable a graphic display terminal to be connected to several drives via a multidrop link. This multidrop link is connected to the RJ45 port on the Modbus/CANopen communication port. See the example opposite.

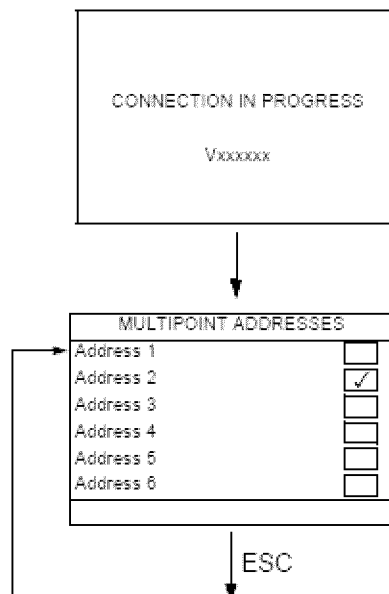
Multipoint Screen

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Multipoint Screen

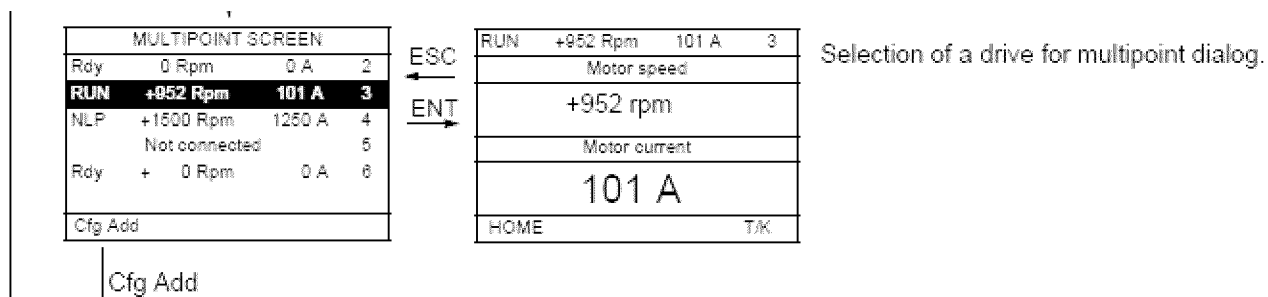
Communication is possible between a graphic display terminal and a number of drives connected on the same bus. The addresses of the drives must be configured in advance in the [COMMUNICATION] (C D P -) menu using the [Modbus Address] (A d d) parameter, page [257](#).

When a number of drives are connected to the same graphic display terminal, it automatically displays the following screens:



Selection of drives for multipoint dialog (select each address and check the box by pressing ENT).

This screen only appears the first time the drive is powered up, or if the "Cfg Add" function key on the MULTIPOINT SCREEN is pressed (see below).



In multipoint mode, the command channel is not displayed. From left to right, the state, then the 2 selected parameters, and finally the drive address appear.

All menus can be accessed in multipoint mode. Only drive control via the graphic display terminal is not authorized, apart from the Stop key, which locks all the drives.

If there is a trip on a drive, this drive is displayed.