

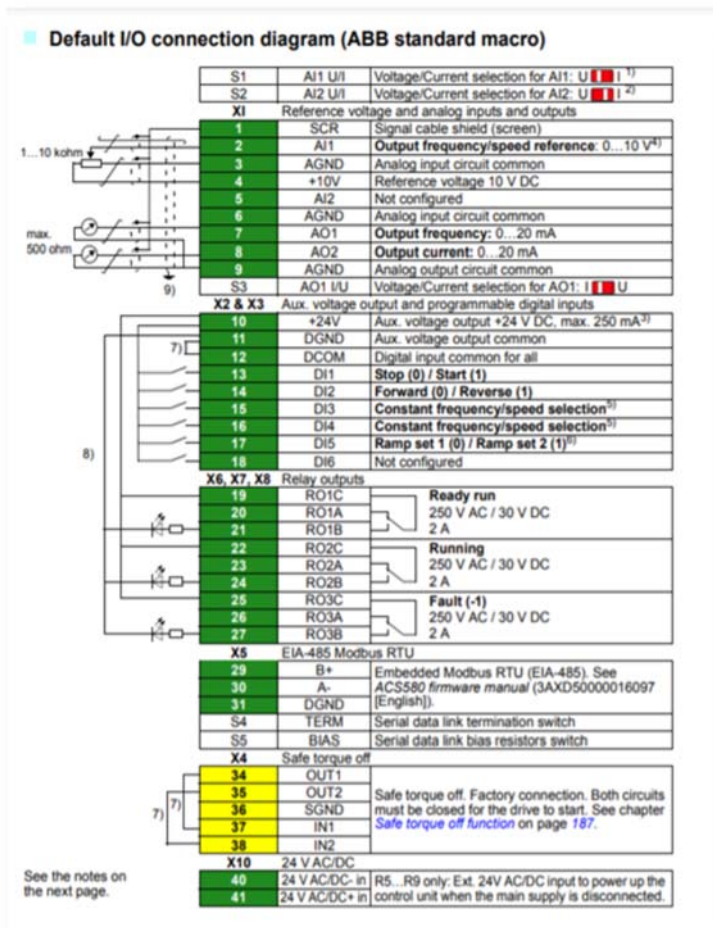
Today's Tech Tip comes from our Drives Application Engineer, Anthony Merrett who says its actually quite easy to configure nearly 90% of your ABB Drives without having to be on site or waiting for 415V power to be connected.

This is handy when communication is required to an onsite PLC or the site does not have power yet.

- Many of the ABB All Compatible Drives offer an external 24V DC Input feature.
- For the 580 and 880 series drives the feature is standard R6 frame size and above.
- For the smaller frame sizes a CMOD module includes this feature, it occupies an expansion slot on the drive.

The advantages in using the External 24V DC include:

- Site Commissioning with Isolations in place.
- Fieldbus and Comms Drive information when the AC power is off.
- Fast Fieldbus/ Production recovery time when the Isolation is removed.



## External 24V DC Supply to ABB Drives

Important things to remember

- Use a suitable DC Supply capable of maintaining the total standing and switching loads.
- ALWAYS declare the external power source in PARAM 95.04, change from.

## Internal to External 24V DC

95.04 Control board supply	Specifies how the control unit of the drive is powered.	Internal 24V
Internal 24V	The drive control unit is powered from the drive power unit it is connected to. This is the default setting.	0
External 24V	The drive control unit is powered from an external power supply.	1

Failure to do this will cause unwanted control issues and interfere with STO (Safe Torque Off) performance.

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