

UNIVERSAL SAFETY I/O MODULE

ABSTRACT OF THE DISCLOSURE

[0087] A safety control block interfaces to one or more devices utilizing one or more communication protocols wherein a network interface receives and/or transmits data directly from a network. A backplane interface receives and/or transmits data from a backplane. A backplane extension receives and/or transmits data from a backplane. A processing component receives data from at least one of the network interface, backplane interface and backplane extension and determines if the received data is related to safety or non-safety. A safety I/O circuitry receives safety data from the processing component; wherein the safety data is utilized to communicate to at least one control device.

Fig. 1