



Node ID (address) selection

System configuration example

Temporary configuration

and servicing

CANopen

CANopen remote I/O

CANopen

CANopen remote I/O



Example shows 0xF0 = node 240 IP address = 192.168.100.240 Node 0xF0 / 240 = manager node.

Encoders Ethernet E1 X7 - Enc2 X6 - Enc1 X5 - Enc0 E1 E2 TX+ TX-RX-CHB+ CHZ+ CHB+ CHB+ CHZ+ CHZ+ Shield DGND Shield DGND Shield DGND CHA-RX-CHB-CHR-CHR-CHZ-CHZ-CHZ-+5 V out +5 V out +5 V out CAN

CAN L

Shield CAN GND

CAN_H

Standard CANopen pinout 120 ohm termination

must be fitted at both ends

CAN V+ (12-24V)

TCP/IP

CAN GND

TX-RX-RX-

Digital outputs & user power input

Outputs

Stepper axis outputs

33033333333

X3

Controller Stepper axis outputs power in

Sauro CTF02008 (2-way) Sauro CTF10008 (10-way)

Sauro CTF12008 (12-way)

Maximum ferrule size: 0.75 mm² (18 AWG) Maximum bare wire size: 2 mm2 (14 AWG)

+24 0V

CAN LEDs Code

Status LED

Node initializing or not powered. 1 flash Node in STOPPED state 3 flashes Firmware being downloaded Blinking Node in PREOPERATIONAL state Node in OPERATIONAL state. Auto-baudrate detection or LSS services in progress.

Green: Initialization OK, controller enabled, normal operation.

Red flashing: The NextMove e100 has detected a serious

Green flickering: Firmware download in progress.

hardware or firmware error and cannot be used.

Red: Initialization in progress.

Code

Off No error.

1 flash Warning: too many error frames. 2 flashes Guard event or heartbeat event. Sync error: SYNC message not received. 3 flashes Node in bus-off state (removed from network). Flickering Auto-baudrate detection or LSS

services in progress.

Ethernet LEDs

Code

On

Off Node in NOT ACTIVE state, waiting to be triggered by the manager node.

Node in PRE-OPERATIONAL1 state. EPL starting. 1 flash Node in PRE-OPERATIONAL2 state. EPL starting. 2 flashes 3 flashes Node in READY TO OPERATE state. The node is

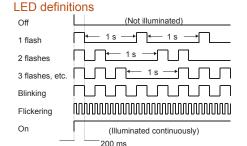
signalling its readiness to operate. Node in STOPPED state. The node has beend eactivated.

Node in OPERATIONAL state. EPL is operating normally.

Node in BASIC ETHERNET state. EPL is not Flickering

operating, but other Ethernet protocols may be used.

Meaning EPL is working correctly. Code



An error has occurred

Earth stud 170 mm (6.69 in). Use M4 screws. X6 X5 X7 S E1 E2 S NextMove e100 DINES DE LA CONTROLLA DEL CO 170 mm (6.69 in). Use M4 screws.





Data-Data+

X6 - RS232/RS485 RS485/RS422 Shield RXB (input) TXD TXB (output) DGND 0V DGND I_{Pin 6} RTS TXA (output) CTS RXA (input) DGND RS485/422 RS232

Permanent monitoring Hub class II and reporting for star or tree wiring structures EPL router EPL RS485 EPL HMI panel

Inputs / outputs Sauro CTF10008 (10-way) Maximum ferrule size: 0.75 mm² (18 AWG) ---------Maximum bare wire size: 2 mm² (14 AWG) X12 X8 X9 X10 X11 X13 Digital inputs Digital inputs Digital outputs Analog inputs Digital inputs Analog outputs (fast inputs) & relay (demands)

LT0230A05

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