



16CH Digital Output (Low power output) Module-CANopen Slave Technical details

## **CAN-DO16T**



- CANopen Slave
- Conforms to CiA Draft Standards DS301 Version 4.0 and DS401 Version2.0
- Nodeguarding, Lifeguarding, Heartbeat
- 16 Channel digital output channels (24VDC) (2 groups of 8 channel)
- Isolated between logic and outputs
- LED indication for each output status, communication and power
- DIN rail mount assembly
- Dimension 87.7(L) x 90.2(W) x 32(D) mm.
- DIP switch for CANopen slave configuration
- No configuration software needed
- CEMark\*

Unit Specifications			
Device Type	Industrial Automation & Control Device		
	Voltage (typical)	24VDC	
Main Supply	Voltage Range	18-30 VDC	
	Connection Type	Pluggable Terminal Connector	
Communication Interface& Protocol	CAN & CANopen Slave		
IP Level	IP20		
Operating Temperature	0 to 70°C		
Storage Temperature	-25°C to +75°C		
Ambient Humidity	5 to 95% RH (no condensation)		
Mounting	DIN rail		
Module Dimension	87.7(L) x 90.2(W) x 32(D) mm		
Protection	Against surge voltages		
Certification	CE*		
Operation Indicator	LED (Green) for DC power ON, Green LED to indicate STATUS, GREEN LEDS to indicates I/O status		
LED diagnostic	Fast blink (Communication OK) , Slow blink (Communication error)		
Digital output Spec: 16 pt. MOSFET Output			





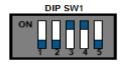
No. of Outputs	16
Voltage Rating	24 VDC, 5-30 VDC
Type of Output	MOSFET Outputs
Isolation	Isolation between I/O and Logic

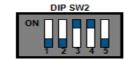
<sup>\*</sup>in process

CANOpen Specifications	
NMT	Slave
Error control	Node guarding
Node ID	1 to 127 (Through DIP Switches)
Baud Rate	Manual configuration (20, 50, 125, 250, 500,800,1000 Kbps)
Terminal Resistor	120ohms (configurable)
No. of PDOs	One TPDO and One RPDO
PDO Transmission Modes	Synchronous, asynchronous, event driven, cyclic, acyclic and remote frame dependent
PDO Mapping	Dynamic PDO mapping
No. of SDOs	One Server SDO
CANopen Version	CIA standard DS 301 version 4.0
Device Profile	CIA standard DS 401 version 2.0
Certification from CIA	No
CAN Transreceiver& Physical Layer	ISO 11898

## **CANopen Slave Configuration DIP Switch Steps:**

- 1. Switch S1-7 for address and switch S8-10 for baud rate 2. Adjust the DIP switch according to requirements. Refer below image.





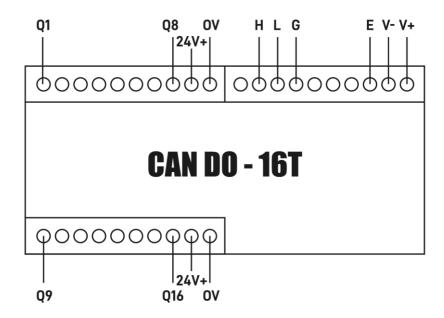
SWITCH 1 -7							
	NODE ID Configuration						
NODE ID	Switch1	Switch2	Switch3	Switch4	Switch5	Switch6	Switch7
Programmable ID	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF	OFF
127	ON	ON	ON	ON	ON	ON	ON

SWITCH 8 -10					
Bau	Baud Rate Configuration				
BAUD RATE	Switch8	Switch9	Switch10		
1 Mbit/sec	OFF	OFF	OFF		
800 Kbit/sec	ON	OFF	OFF		
500 Kbit/sec	OFF	ON	OFF		
250 Kbit/sec	ON	ON	OFF		
125 Kbit/sec	OFF	OFF	ON		
50 Kbit/sec	ON	OFF	ON		
20 Kbit/sec	OFF	ON	ON		
SWITCH 11					
TERMINATION 1200HM					





## **Wiring Diagram:**



## **SAFETY INSTRUCTIONS**

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point of the CAN connector; it would represent
  a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the
  Modbus or the wires of other accessories, in case of being installed.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.

