

Product Overview

The AX-DINT4 integrates up to four digital inputs or four 24V ac/dc inputs into a single V or I analogue output. The analogue output is proportional to the number of active inputs. AHO jumpers are fitted to allow inputs to be manually overridden for commissioning and testing purposes.



Features

- 0-5V / 0.4-10V / 0-10V / 0-20mA / 4-20mA output
- Operates from 24V ac/dc power supply
- AHO input simulation jumpers
- DIN rail mounting
- LED input status indication

Product Specifications

Inputs:		Volt free or 24Vac or 24Vdc (>10Vdc = on, <4Vdc =off)
Output:	Voltage	0-5Vdc / 0.4-10Vdc / 0-10Vdc at 5mA maximum.
	or Current	0-20mA / 4-20mA maximum load resistance 500Ω
LED Indication:		On when input is on
Power Supply:		24V ac/dc (±15%)
Power Consumption:		40mA maximum at 24Vdc 50mA maximum at 24Vac
Terminals:		Rising clamp for 0.5-2.5mm ² cable
Ambient Temperature:		0-50°C
Dimensions:		47 x 92.5 x 47mm (maximum)
Weight:		50grams
Country of Origin:		United Kingdom

Order Codes

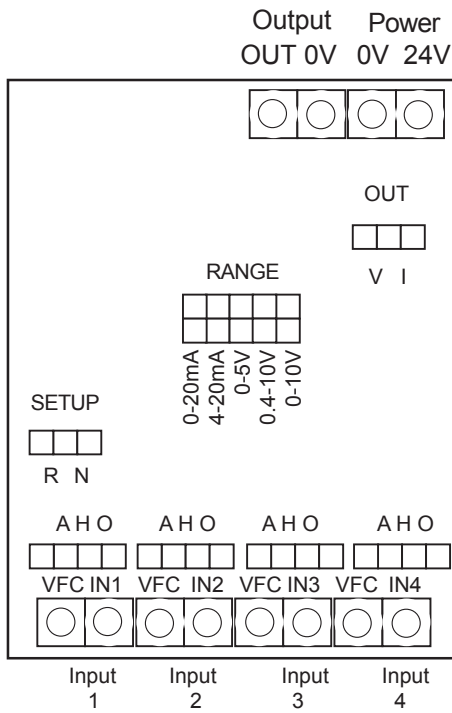
AX-DINT4 Four Channel Digital Input Integrator

Annicom Ltd
Unit 21, Highview, Bordon, Hampshire. GU35 0AX
Tel: +44 (0)1420 487788 Fax: +44 (0)1420 487799
Email: sales@annicom.com Website: www.annicom.com

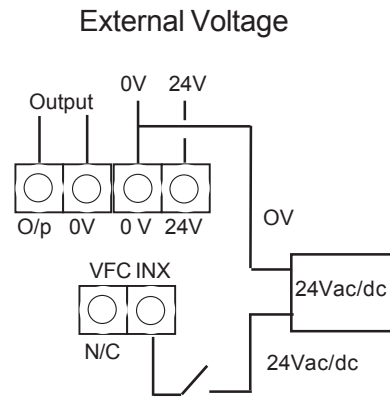
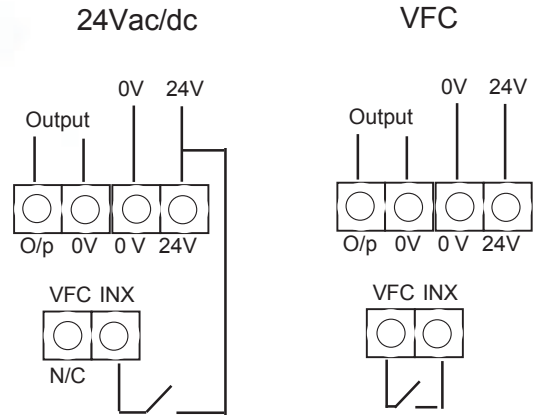
Installation

The AX-DINT4 should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment which it is to be connected to. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to, using screened cable where necessary. Please note that the AX-DINT4 is not suitable for use with mains voltage.

Connections



Example Connections



Jumpers

Set required output using RANGE jumper and set OUT to select voltage or current output.

Use AHU jumpers to select Auto (Input), Hand (On) or Off for each input.

SETUP used so select number of inputs, see setting input step count. Leave in position N for normal operation.

Output values

Outputs 0-10V

Active Inputs	4 Steps	3 Steps	2 Steps	1 Step
None	0V	0V	0V	0V
Any 1	2.5V	3.3V	5.0V	10V
Any 2	5.0V	6.6V	10V	10V
Any 3	7.5V	10V	10V	10V
Any 4	10V	10V	10V	10V

Outputs 4-20mA

Active Inputs	4 Steps	3 Steps	2 Steps	1 Step
None	4mA	4mA	4mA	4mA
Any 1	8mA	9.3mA	12mA	20mA
Any 2	12mA	14.6mA	20mA	20mA
Any 3	16mA	20mA	20mA	20mA
Any 4	20mA	20mA	20mA	20mA

Outputs 0-5V

Active Inputs	4 Steps	3 Steps	2 Steps	1 Step
None	0V	0V	0V	0V
Any 1	1.2V	1.6V	2.5V	5V
Any 2	2.5V	3.3V	5V	5V
Any 3	3.7V	5V	5V	5V
Any 4	5V	5V	5V	5V

Outputs 0-20mA

Active Inputs	4 Steps	3 Steps	2 Steps	1 Step
None	0mA	0mA	0mA	0mA
Any 1	5mA	6.6mA	10mA	20mA
Any 2	10mA	13.3mA	20mA	20mA
Any 3	15mA	20mA	20mA	20mA
Any 4	20mA	20mA	20mA	20mA

Setting Input Step Count

The unit is factory set for 4 input steps.

Carry out actions below to change input steps

Switch off power to the unit

Set the AHO input jumpers as Input Select table

Place SETUP jumper in R

Switch power on

Output will be zero

Within 2 seconds move SETUP jumper to N

Wait 2 seconds

Outputs should operate normally

Use AHO jumpers to verify unit operation

Input Select

Steps	1	2	3	4
IN1	H	H	H	H
IN2	O	H	H	H
IN3	O	O	H	H
IN4	O	O	O	H

Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Annicom do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Annicom has a policy of continuous improvement and reserves the right to change this specification without notice.