DIRIS Digiware IO

Digital and analog input/output modules

new

DIRIS Digiware IO-10
4 digital inputs/2 digital outputs

DIRIS Digiware IO-20
2 analog inputs

Configuration with EasyConfig, see page 530.

The solution for

> Industry
> Building
> Data center

Strong points

> Plug & Play
> Multifunction
> Connected
> Compact

Compliance with standards
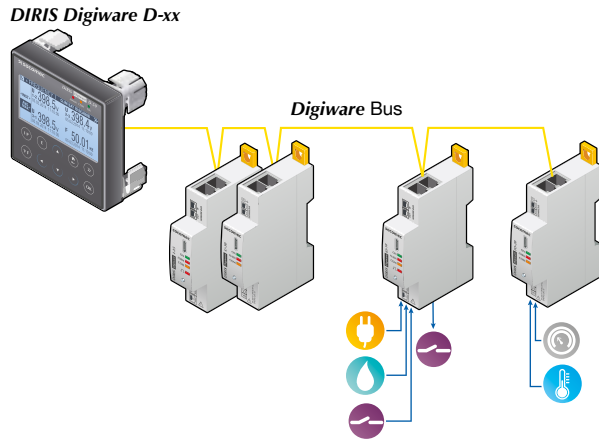
> IEC 61557-12
> IEC 61010

IEC

> ISO 14025

PEP eco PASSPORT®

> UL

UL

Create your project

> Find the best DIRIS Digiware configuration:
www.meter-selector.com

METER►SELECTOR
DIGITAL TOOL AVAILABLE

Function

DIRIS Digiware IO modules enrich the measurement system with multiple features:

• DIRIS Digiware IO-10 modules have 4 digital inputs and 2 digital outputs.
The 4 digital inputs can be used to monitor the status of protection devices and withdrawable drawers (ON/OFF, trip counter) or to collect pulses from multi-fluid meters. The 2 digital outputs allow the remote control of switching devices by sending a binary output signal. Alarms can be configured and assigned to the digital outputs.

• Thanks to their 2 analog inputs, DIRIS Digiware IO-20 modules can collect the data from analog sensors (pressure, humidity, temperature...).

All the information reported by the IO-10 and IO-20 modules can be viewed on DIRIS Digiware D-xx displays and on Webview, the web server embedded in DIRIS G gateways and in the DIRIS Digiware D-70 display unit.

Advantages

Plug & Play
The IO modules can be easily added anywhere within the measurement system thanks to a quick RJ45 connection.

Multifunction
The combination of voltage measuring modules, current measuring modules, and input/output modules makes DIRIS Digiware a complete and versatile system.

Connected
All the reported information is accessible from the displays, from Webview or any other centralized management software.

Compact
The modular format allows the quick connection of a large number of IO-10 and IO-20 modules.

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Innovative Power Solutions

Application diagram

DIRIS Digiware D-xx

Digiware Bus

Connections

DIRIS Digiware IO-10

Digital inputs/outputs

COM-		
IN1		
IN2	12VDC	
IN3		
IN4		
13		
14	OUT1	12-48VDC
23		12-24VAC
24	OUT2	50mA

INPUT / OUTPUT

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Digiware Bus

RJ45 — DIGIWARE BUS

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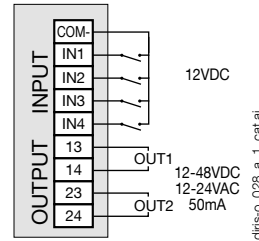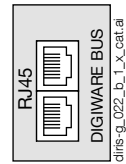
DIRIS Digiware IO-20

Analog inputs

1-	
1+	0/4-20mA
2-	200 Ω max
2+	

INPUT

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Digiware Bus

RJ45 — DIGIWARE BUS

diris-g_022_b_1_x_cat.ai

diris-o_027_a_1_cat.ai

Dimensions (in/mm)

0.19 / 5
3.94 / 100
1.77 / 45
1.73 / 44
0.59 / 15
0.70 / 18
2.56 / 65

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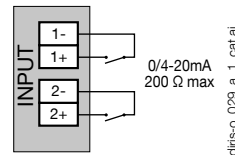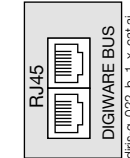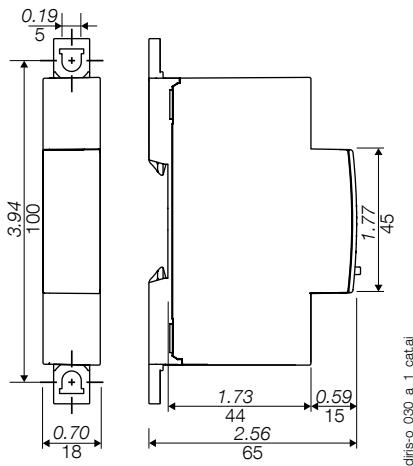
Technical characteristics

Measuring characteristics

Digital inputs/outputs- DIRIS Digiware IO-10	
Number of inputs	4
Type/power supply	Insulated input, internal polarisation 12 VDC max., 3 mA
Input function	- Logical status - Status of the circuit breaker, of the drawer (ON/OFF, trip counter) - Pulse counter
Number of outputs	2
Type	Insulated output, 48 VDC max., 50 mA and 24 VAC max.
Output function	- Remote control of status - Alarm signal linked to the inputs (exceeding threshold, status...)
Input/output connection	Removable screw terminal block, 9 positions (5 dedicated to inputs, 4 dedicated to outputs) Stranded or solid 0.14 to 1.5 mm² cable
Analog inputs - DIRIS Digiware IO-20	
Number of inputs	2
Type/power supply	0/4-20 mA, 200 Ω max
Accuracy	0.5% full scale
Function	Connection of analog sensors (pressure, humidity, temperature...) with choice of interpolation (linear or quadratic)
Input connection	Removable screw terminal block 2x2 positions, Stranded or solid 0.14 to 1.5 mm² cable

References

Digiware connection cables		Reference
RJ45 cables for Digiware Bus	Length 0.10 m	4829 **0181**
	Length 0.20 m	4829 **0188**
	Length 0.50 m	4829 **0182**
	Length 1 m	4829 **0183**
	Length 2 m	4829 **0184**
	Length 5 m	4829 **0186**
	Length 10 m	4829 **0187**
	50 m reel + 100 connectors	4829 **0185**
Termination for Digiware Bus (supplied with interfaces C and D)		4829 **0180**
USB configuration cable		4829 **0050**

DIRIS Digiware input/output modules		Reference
IO-10	4 digital inputs/2 outputs module	4829 **0140**
IO-20	2 analog input module	4829 **0145**