17. Digital inputs – opto-isolator output signal isolator

Ref.	Description (see technical data sheet for further information)	IS parameters ATEX marking
RDN210W	The RDN210W is an intrinsically safe, galvanic insulated digital signal separator. This device does not have an external power supply. The opto-isolator output transistors (H+J-) or (L+M-) are controlled by an input voltage (E+F-) for channel 1 and (C+D-) for channel 2.	Maximum current on intrinsic safety circuit: 100 mA **Marking**: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X
RDN210V	The RDN210V is an intrinsically safe, galvanic insulated digital signal separator. Identical to the RDN210W, the RDN210V has four channels.	Maximum current on intrinsic safety circuit: 100 mA **Marking**: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X

RDN210W

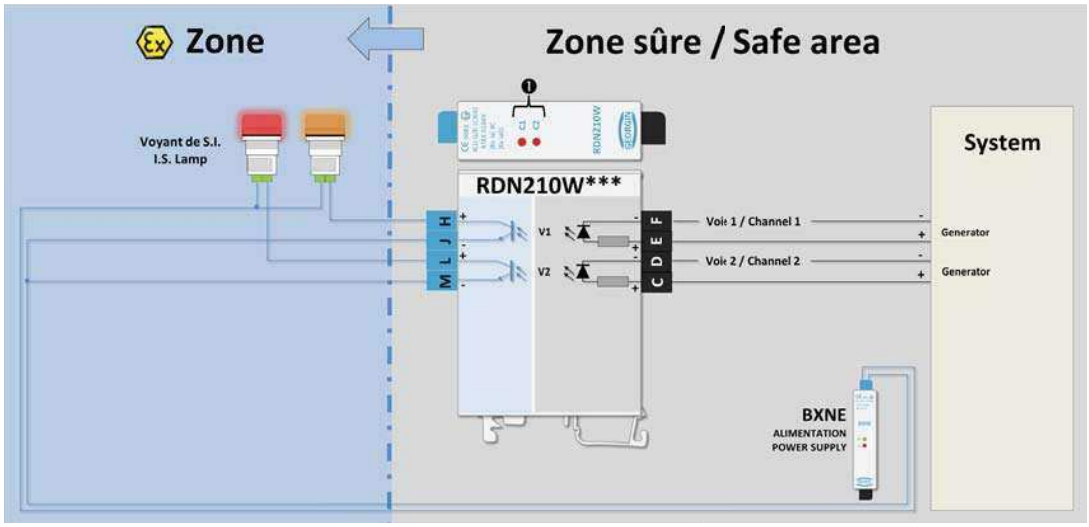
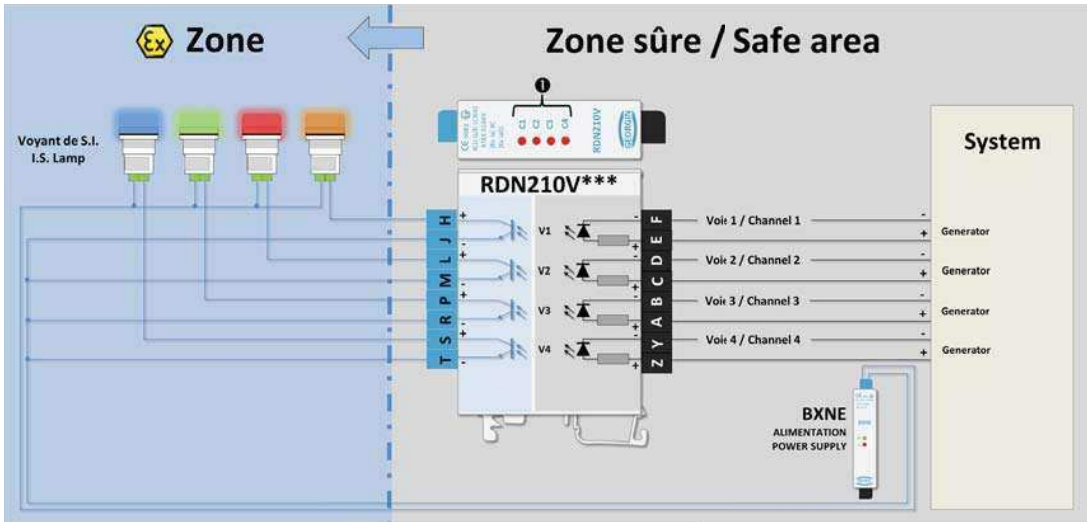
Type	Model		Number of channels		Options		Power supply	
RDN	210	Opto-isolator IS input / NIS output	W	2 channels	00	Cage clamp terminals	3	24 V DC
					B0	Screw terminals	7	12 V DC
							8	5 V DC

❶ Red LED for each channel indicating if the output transistor is conductive or closed.

RDN210V

Type	Model		Number of channels		Options		Power supply	
RDN	210	Opto-isolator IS input / NIS output	V	4 channels	00	Cage clamp terminals	3	24 V DC
					B0	Screw terminals	7	12 V DC
							8	5 V DC

❶ Red LED for each channel indicating if the output transistor is conductive or closed.

Explanatory diagram	I/O
	2 opto-isolator channels
	4 opto-isolator channels