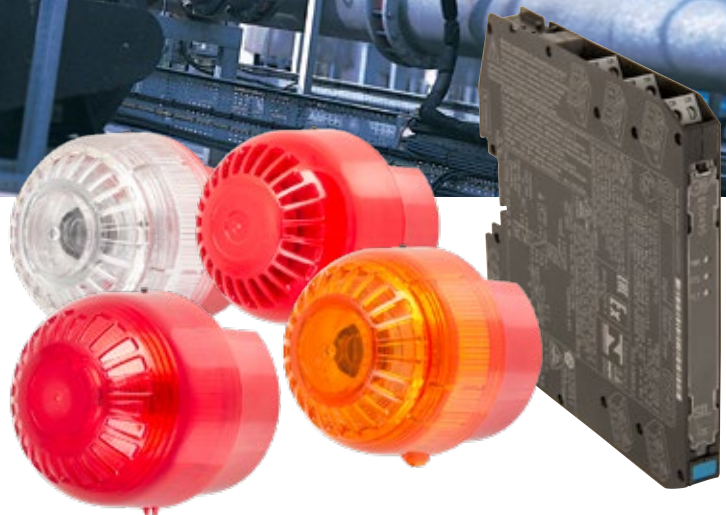


Intrinsically Safe Signalling Solutions

IS Signalling made easy

SIGNALLING DEVICES



Why do I need an Intrinsically Safe barrier?

The Intrinsically Safe protection method is based on the principle of limiting the amount of energy entering a Hazardous Area to below the level required to ignite the hazardous substances in the atmosphere. Intrinsically Safe barriers serve the purpose of limiting the input energy for devices in Hazardous Areas, allowing the integrity of the Intrinsically safe circuit to be maintained.

Which barrier do I need for power input?

To operate the signalling device in the Hazardous Area as seen in example 1, the D5049S single channel SIL3 rated barrier from GM International is the ideal pairing with the Moflash range of beacons, sounders and sounder/beacons combination units and is stocked by NHP.

Example 1

GMi Barrier

D5049S



What if I want to tap into the additional functionality of the signalling devices?

To tap into the 2-stage sounding output capability provided by the Moflash IS sounders, or to independently control the beacon and sounder functionality on the combination unit, NHP offer the D5244D dual channel SIL3 digital output module. Pairing this with the D5049S

barrier for power input, as seen in example 2, gives you access to the full suite of capabilities that the signalling range has to offer.

Example 2

Power Input GMi Barrier

D5049S



Independent Control GMi Barrier

D5244D



For independent operation of sounder/
beacon unit and 2-stage sounding

Why not go wireless?

To ensure that superior performance in your operation is achieved, NHP's Steute wireless devices provide an innovative and reliable wireless solution through a simplified design. Specialised protocols, inbuilt signals to monitor status and bidirectional communications feature

in NHP's state-of-the-art wireless technology. The wireless transmitters in the sWave® - HAE range are fully compliant to the ANZ requirements for installation in the Hazardous Area and are IECEx certified.



Notes : Exi suitability subject to cable type and length
Option of installing receiver into Hazardous Area is available upon request

Catalogue No.	Description	
ISB02XX	Ex Is Beacon Led 24V DC	
ISS02	Ex Is Sounder 24V DC Red	
ISSB02XX	Ex Is Sounder Beacon 24V DC	
D5049S	Ex I Isolator Do 1Ch with Fault and Override Sil3	
D5244D	Ex I Isolator Do 2Ch SPDT relay out Sil2	
D5ISBXX	Ex Intrinsically Safe Beacon 24V DC Kit	Kit comes with signalling device and D5049S barrier
D5ISS0102	Ex Intrinsically Safe Sounder/Beacon 24V DC Kit Red	
D5ISSBXX	Ex Intrinsically Safe Sounder/Beacon 24V DC Kit	
EXRF96STSW915	Ex RF Universal Transmitter	
RFRXSW9154S	RF Receiver 24V DC With 4 N/O Outputs	
RFANTSW915	RF External Antenna 5db	

Lens ordering code	
XX = 01	AMBER
XX = 02	RED
XX = 03	BLUE
XX = 04	GREEN
XX = 05	WHITE

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