



SMART RELAYS  
D5096S – D5097S  
D5293S - D5294S - D5295S  
SIL 3 Relay with Line & Load Diagnostics



TECHNOLOGY FOR SAFETY



## 1. What Are Smart Relays?

- a. Relays + Diagnostics
- b. Models: D5096S, D5097S, D5293S, D5294S and D5295S

## 2. Why Choosing Smart Relays?

## 3. Real-World Applications

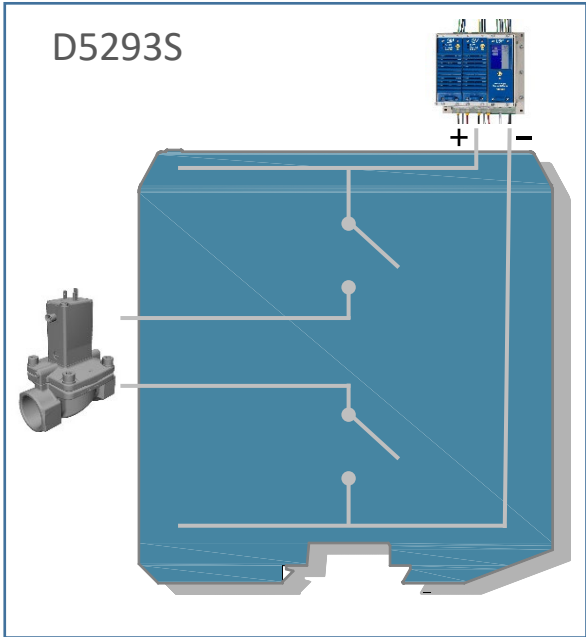
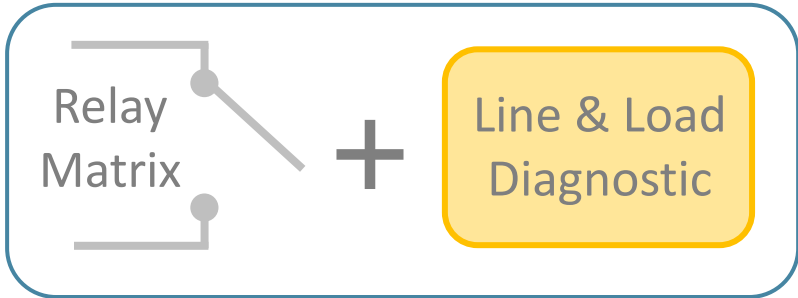
- a. Normally-Energized solenoid valves
- b. Strobes/beacons for Fire & Gas applications
- c. Dual tone sounders for Fire & Gas applications
- d. High-availability double-coil solenoid valves
- e. Single-phase load interruption solenoid valves

## 4. Conclusions

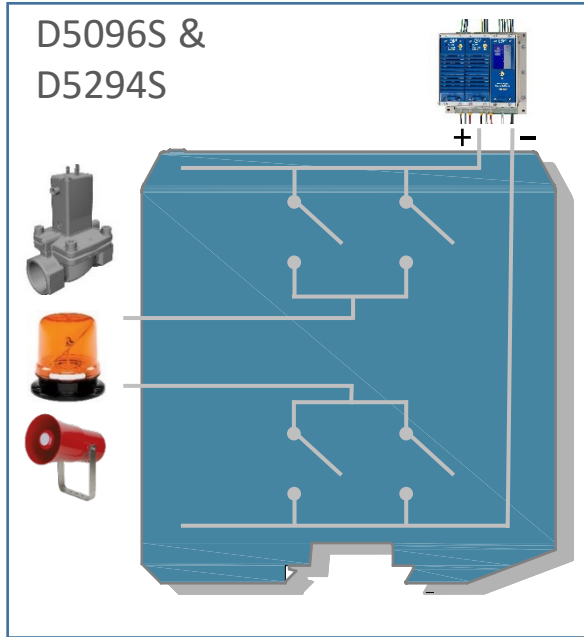


# WHAT ARE SMART RELAYS?

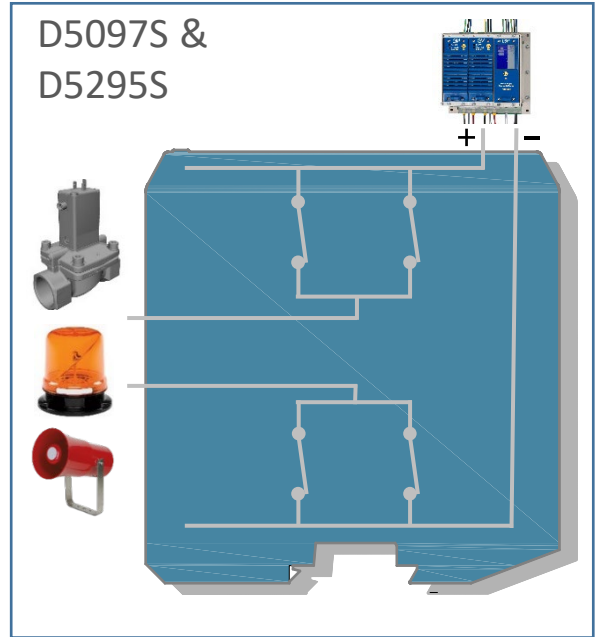
Basic concept



2 NO Contacts in series



2 x 2 NO Contacts



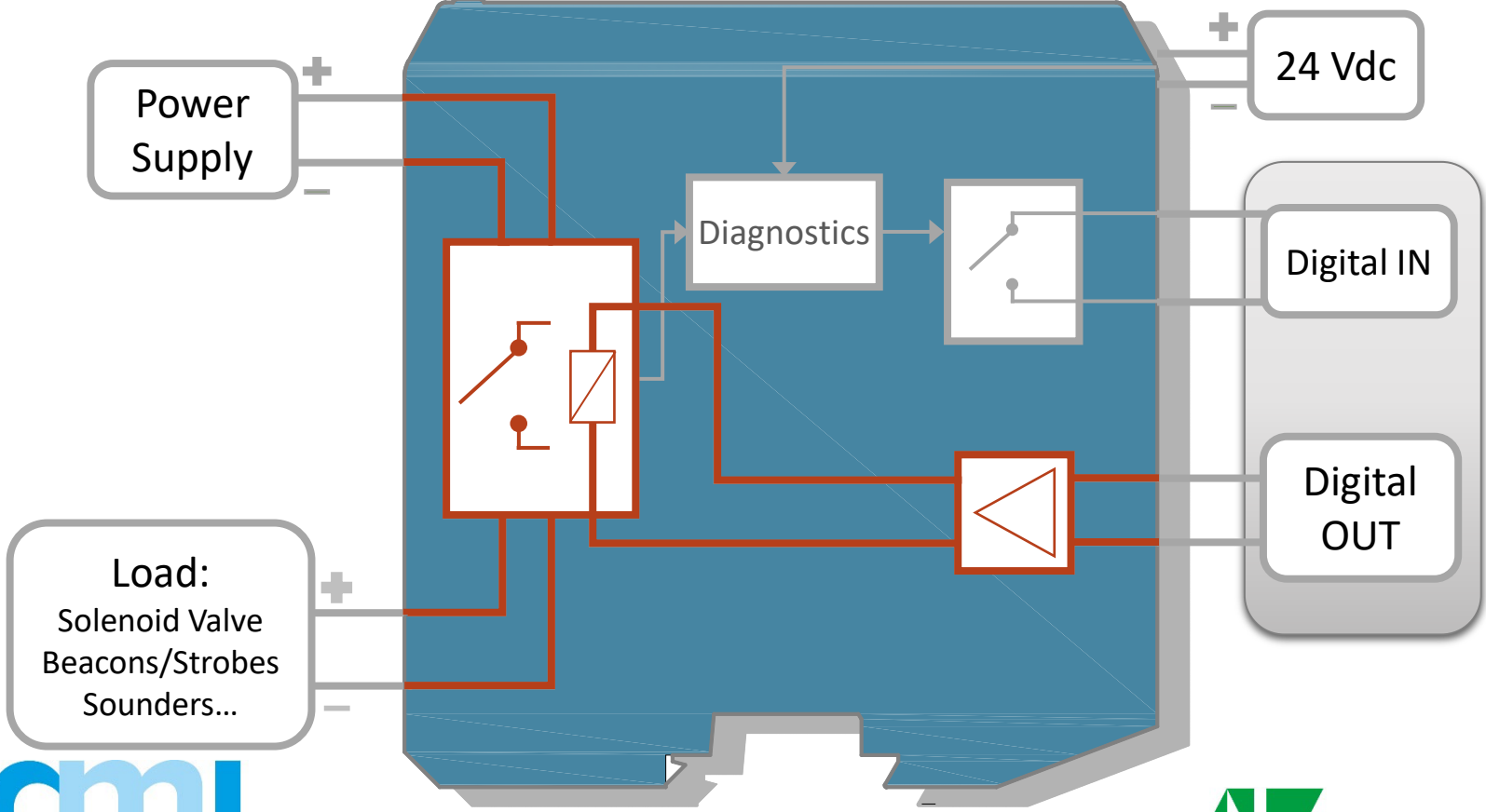
2 x 2 NC Contacts



# WHAT ARE SMART RELAYS?

- Coil-to-contacts function (**SIL 3**)
- Diagnostics functions
- Alarm: fault relay
- Contact rating: 5 A – 250 Vac
- Zone 2 Installation

D5096S, D5097S





# WHAT ARE SMART RELAYS?

- Alarm: fault relays, modbus
- Contact rating: 4 A – 250 Vac
- Zone 2 / Div. 2 Installation
- Coil-to-contacts function (SIL 3)
- Diagnostics functions (SIL 2)

D5293S, D5294S, D5295S

