

connect **ME**



Gas Konnect

TKN2801

MBus Gas Solenoid Valve & Pulse Reader



FEATURES

- ◆ Compatible with all leading Gas Solenoid valves
- ◆ Control 230V AC powered Gas Solenoid valves
- ◆ Valve Sizes – DN8 to DN300
- ◆ Complaint with all MBus Masters
- ◆ Standard enclosure / ATEX enclosure
- ◆ Standard Enclosure – Industrial Grade (IP67)
- ◆ ATEX Enclosure- suitable for Zone 2 & 22 operation
- ◆ Real time valve status monitoring
- ◆ Valve control (ON / OFF commands via MBus)
- ◆ Optional digital input for pulse signals (Gas meter readings)
- ◆ Extensive cloud base / ON Premise application (UBILL VCM / IBM)



Compatible with



INTRODUCTION

The GAS KONNECT TKN2801 series is an innovative solution for integrating smart technology into domestic gas distribution networks. By converting existing gas solenoids into MBUS-operated smart solenoids, it enables remote operation, which can enhance efficiency and control over gas distribution systems. This integration with billing application software like UBILL IBM / UBILL VCM suggests that it not only provides operational benefits but also facilitates billing and monitoring processes, making it a comprehensive solution for gas distribution management.



TKN 2801

GAS KONNECT TKN2801 series is a set of MBUS smart relay devices designed to integrate with GAS SOLENOIDS in Domestic gas distribution networks. These devices essentially convert existing gas solenoids into MBUS-operated smart solenoids

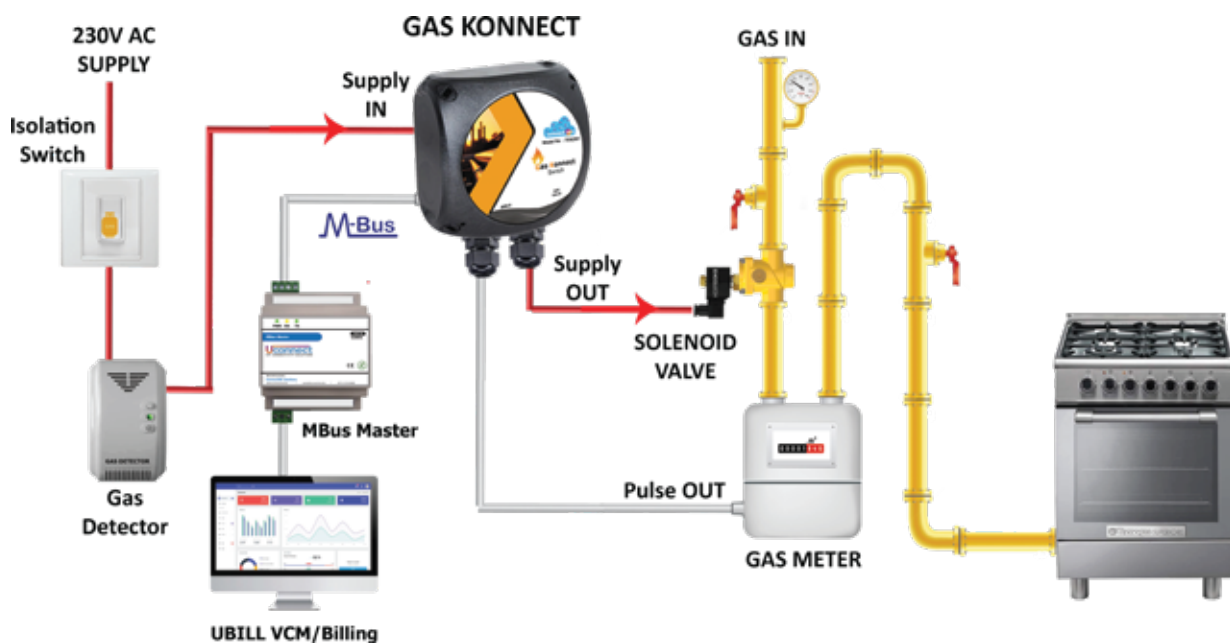
TKN 2801P

GAS KONNECT TKN2801P series is another variation of the MBUS smart relay devices, specifically designed to integrate with both gas solenoids and pulse-enabled gas meters in domestic gas distribution networks.



With GAS KONNECT TKN2801 & TKN2801P devices acting as MBus nodes, they can connect to any standard M_BUS master in the market, facilitating interoperability. This setup enables greater remote control and monitoring of gas distribution systems, enhancing efficiency and potentially improving safety measures.

Remote Shut off valve - Connections



GAS KONNECT SPECIFICATION

Product ID	TKN2801-S / TKN2801-E	Communication technology	Wired MBus
Power supply for CU	MBus Loop powered	Baud rate	300 and 2400 bit/s
Enclosure	ABS IP67 / ATEX Zone 2 & 22	Working temperature	Max 60 deg C
Output relay contact	Max 250VAC, 5A	Digital Inputs	Optional 1 pulse input for GAS Meter readings
Tamper	Enclosure Open status alert (Optional)	MBus valve control software	UBILL VCM / IBM
Terminals (Screw connectors)	MBus – 2 wires Power supply 230 V in – 2 wires Solenoid Power out – 2 wires	MBus standard	EN 13757
Data read	OPEN / CLOSE status, enclosure tampering, last controlled time, Control type.		
Data Write	OPEN / CLOSE command, set primary address		
Manual Override	Press buttons for local OPEN / CLOSE (Located inside the CU optional)		

Order Code

GAS KONNECT TKN2801 Product variants

TKN2801-S

MBus Gas Konnect module – Standard version

IP66 enclosure, Weatherproof resistant. Operate Gas solenoid remotely over MBus network.

TKN2801-E

MBus Gas Konnect module – Ex enclosure

Suitable for Hazardous area operation in Zone2 & Zone22, ensures safety and compliance with hazardous area regulation and Weatherproof resistant.

TKN2801-EC

MBus Gas Konnect Module – ATEX certified.

Suitable for installation in potentially explosive atmospheres. Type examination certificate and a special certification by a notified body done for operation in Hazardous Zone 2 & Zone 22. (Under certification)



GAS KONNECT TKN2801P

(Valve Control + Pulse Reader) Product variants

TKN2801P-S

MBus Gas Konnect module with Pulse reader

Standard version, IP66 enclosure, Weatherproof resistant. Operate Gas solenoid remotely and read gas consumption from pulse enabled Gas meters over MBus network.

TKN2801P- E

MBus Gas Konnect module with Pulse reader – Ex enclosure.

Suitable for Hazardous area operation in Zone2 & Zone22, ensures safety and compliance with hazardous area regulation and Weatherproof resistant. Operate Gas solenoid and read Gas consumption over MBus network.

TKN2801P-EC

MBus Gas Konnect Module with Pulse reader – ATEX certified

Suitable for installation in potentially explosive atmospheres. Type examination certificate and a special certification by a notified body done for operation in Hazardous Zone 2 & Zone 22. (Under certification)

