

Medical Gas Alarm



Specifications:

HTM 2022:1997/HTM 02-01 – Medical Gas Pipeline system

HTM 2020 – Electrical Safety Low Voltage System

C11 – NHS Estates Model Engineering Specification

EN737-3: 1998 – Medical Gas Pipeline System

Introduction

WTK medical gas alarm is designed to monitor piped gas pressure (normal, high and low pressure on up to six gases) via pressure switches, in theatres, wards etc. after final Area Valve Services Units and fully meets all the international requirements. In addition, the alarm will also act as a slave to another alarm within 250 metres by using a two core screened cable. WTK also offers repeater alarm, End of Line Monitor (E.O.L.), pressure switches stub, BMS interface as optional accessories upon request.

Operation

Individual gas status is provided by six sets of three long-life, 10 x 20-mm block LED's indicating NORMAL, HIGH and LOW conditions for each service through a replaceable lens mounted behind a wipe-clean membrane.

When all conditions and the power supply are at normal, the only lights showing are POWER ON and NORMAL. If any signal contact opens, the appropriate NORMAL light goes out, the appropriate red fault light will flash and the audible alarm will sound. As soon as the audible alarm is muted or the power returns, the lamps will operate as normal.

The battery reserve enables the system to remain in operation for up to 8 hours with only the lamps on the panel affected by the power failure out of operation, or for 4 hours if the panel is set for full backup.

Optional accessories: Repeater area alarm, End of Line Monitor (E.O.L.), Pressure switches stub, BMS interface.

TECHNICAL SPECIFICATION:

Designation	WT06001 Flush Mount medical gas alarm complete WT06002 Surface Mount medical gas alarm complete WT06011 Central Alarm
Dimensions	Varies
Material	Aluminium and galvanized box
Finishing	Epoxy powder coating

Part List:

WT06001	Flush Mount medical gas area alarm
WT06002	Surface Mount medical gas area alarm
WT06003	End of Line Monitor - 1 Gas
WT06004	End of Line Monitor - 2 Gas
WT06005	End of Line Monitor - 3 Gas
WT06006	End of Line Monitor - 4 Gas
WT06007	End of Line Monitor - 5 Gas
WT06008	Pressure Switch Assembly complete with Stub - HI/LO
WT06009	Vacuum Switch Assembly complete with Stub - VAC
WT06010	BMS interface for area alarm, 1G, 2G, 3G, 4G & 5G
WT06011	Central Alarm / Repeater Central Alarm
WT06012	2 Gas Transmitter
WT06013	3 Gas Transmitter



Central/Plant Alarm

- ❖ Include 5 gas monitoring
- ❖ VIE / Plant / Manifold fault indicator
- ❖ Standard 2 & 3 Gas transmitter
- ❖ Battery reserve and audible warning