

COMPACT ASD and COMPACT2 ASD

The compact, cost effective air sampling smoke detection system for equipment and small to medium – sized spaces

The Gent by Honeywell range of air sampling detection systems (ASD) comprises three detector units providing comprehensive solutions for a wide range of applications. ASD are smoke detectors that actively take air samples from the monitored area and analyse them for the presence of smoke particles. This active sampling technology enables the identification of a possible fire in its very earliest stages.



COMPACT ASD and COMPACT2 ASD

The Gent by Honeywell COMPACT ASD air sampling smoke detection system has been developed as a cost effective solution for monitoring small to medium-sized spaces and equipment. The COMPACT2 ASD incorporates room identification (ROOM·IDENT) functionality that enables it to monitor up to 5 rooms or facilities and to identify the source of the potential fire.

A COMPACT ASD system can be used to replace up to 8 point type smoke detectors with a pipe length of up to 50m to meet the EN54 part 20 requirements for Class A, B or C detection.

Key Features:

- Early fire detection thanks to innovative, highly sensitive HPLS light source technology
- High degree of false alarm immunity through LOGIC·SENS fire pattern recognition
- Optional individual room detection of the fire source with ROOM·IDENT
- A broad range of accessories, approved to EN 54-20
- Time saving commissioning through Plug & Play
- PipeXpress project planning software
- Compatible with the Diag3 diagnostic tool

BASIC EQUIPMENT	COMPACT ASD
Max. number of sampling holes	8
Max. pipe length (with max. number of sampling holes)	50 m
Localisation using ROOM-IDENT	Monitoring of up to 5 rooms with localisation of the source of the fire*
Monitored area per sampling hole	Corresponds to one point-type smoke detector in accordance with BS5839 and BS6266
Monitoring of pipe systems for breakage and obstruction	Yes (Optional adjustment for individual hole monitoring**)
Sensitivity detection unit ASD-CM and ASD-CM2 (Sampling holes in accordance with EN 54-20: Class A max. 2, Class B max. 6, Category C max. 8)	Main alarm: 0.50 % LT/m (LT/m = Light obscuration per metre)
Alarm notification	2 (pre and main alarms)
Potential free contacts, internal (external optional)	2 (5)
Fault signals	Cumulative report (Potential free contact, either via NC or NO)
Alarm and fault relay power rating	1 A, 30 V DC, max. 24 W
Clamped connections	Max. 2.5 mm ²
Displays on device	
- Main alarm	1 red alarm display for each alarm stage
- Pre-alarm	1 red alarm display
- Fault	Yellow common fault
- Operation	Green operation display
Operating voltage	24 V DC (16 - 30 V DC)
Max. quiescent current (at 24 V DC)	105 mA (at standard fan voltage of 9 V)
Max. alarm current (at 24 V DC)	110-140 mA (at standard fan voltage of 9 V)
Starting current	150 mA
Dimensions (W x H x D)	140 x 222 x 70 mm
Weight	850 to 895 g
Protection category	IP 54
Temperature range	-20 °C to + 60 °C
Humidity (permanent)	10 % to 95 % relative humidity
Event log	Built-in, additional external data storage possible via Diag3 diagnostic tool
Connection of external alarm notifications	Parallel displays and ROOM-IDENT indicators optional
Approved in accordance with EN 54-20, Classes A, B, C:	
VdS-No.	G 206004 (manufacturer certificate)
BPRI-No.	0786-CPD-20322 (manufacturer certificate)

* depending on device configuration ** depending on project design

ORDER CODES	
COMPACT ASD	ASD-CM
COMPACT2 ASD (inc ROOM.IDENT functionality)	ASD-CM2