


Installation Sheet
SERIES XIHX..SINGLE ENDED BODY
XDHX..DUAL ENDED BODY
Flameproof Enclosures

Adalet's XIHX Single Ended Series Flameproof Enclosure consist of an XIH body and one of the various covers indicated below. The XDHX Double Ended Series of Flameproof Enclosure consists of an XDH body and two of the various covers indicated below. The XIHX and XDHX series of enclosures are cast from copper-free aluminum. The enclosures are intended to be used primarily as instrument housings. The XDHX enclosure is similar to the XIHX enclosure, except they are provided with a threaded cover on both ends of the body. Up to three entries may be provided in the XDH body and four in the XIH body, with threads as specified in the control drawings DS428 AND DS681. The XIHX & XDHX enclosures are available with flat solid, flat glass, dome solid and dome glass style covers. Additional options permitted in the enclosures are also specified on the control drawings.

These enclosures are ideal for indoor and outdoor areas where dampness and corrosive atmospheres are present. For added corrosion protection bodies and covers of all models are available in 316 stainless steel.

Certifications

EN 50018 EEx d IIC XIHX (XIH SINGLE ENDED BODY WITH SOLID OR GLASS COVERS.)
 EEx d IIC XDHX (XDH DUAL ENDED BODY WITH SOLID OR GLASS COVERS.)

Directive 94/9/EC: 0539  || 2 GD

Ambient Temperature
Range

-40° C to +100° C

DEMKO Certificate: 02 ATEX 0249979 U

UL 1203: Class I, Groups BCD; Class II, Groups EFG; Class III

CSA C22.2 No. 30: Class I, Groups BCD; Class II, Groups EFG; Class III

(Investigated to CSA Standard C22.2 No. 30 by UL)

FM 3615: Class I, Groups BCD; Class II, Groups EFG; Class III

UL50, NEMA 250: TYPE 4X

IEC 60529: IP66

Enclosure Catalog Numbers:

XIHX SERIES..SINGLE ENDED BODY (XIH)

XDHX SERIES..DUAL ENDED BODY (XDH)

- | | |
|--|----------------|
| A) WITH SMALL (FLAT) COVER, ADASEAL CEMENTED WINDOW, | — FGCX |
| B) WITH SMALL (FLAT) COVER, NO WINDOW, | — FCX |
| C) WITH LARGE (DOME) COVER, NO WINDOW, | — DCX |
| D) WITH LARGE (DOME) COVER, ADASEAL CEMENTED WINDOW, | — DGCX |
| E) WITH SMALL (FLAT) COVER, ADACO CEMENTED WINDOW, | — FGCCX |
| F) WITH LARGE (DOME) COVER, ADACO CEMENTED WINDOW, | — DGCCX |

One cover of any of the above referenced covers permitted on XIH Single Ended style body.
 Any combination of two of the above referenced covers permitted on XDH Dual Ended style body.

SPECIAL CONDITIONS FOR SAFE USE:

- 1) BEFORE OPENING THE ENCLOSURE IN A FLAMMABLE ATMOSPHERE THE CIRCUITS MUST BE INTERRUPTED.
- 2) THE APPROVAL APPLIES TO EQUIPMENT WITHOUT CABLE GLANDS. WHEN MOUNTING THE FLAMEPROOF ENCLOSURE IN A HAZARDOUS AREA, ONLY FLAMEPROOF CABLE GLANDS CERTIFIED TO EN 50018 MUST BE USED.
- 3) ALL UNUSED CONDUIT ENTRIES MUST BE CLOSED WITH A PLUG CERTIFIED TO EN 50018 OR CALLED OUT ON CONTROL DRAWINGS.

DALET, Scott Fetzer Co.
 801 West 150th Street
 Cleveland, OH 44135, USA
 Phone: (216)267-9000/Fax: (216)267-1681
 www.adalet.com

DS683 REV. A 02DEC02

DEMKO APPROVED
 NO REVISION TO DRAWING
 WITHOUT DEMKO APPROVAL

SIGN 