

Installation Guide

1. All Redapt products should be installed in accordance with all relevant Installation Standards and Codes of Practice. BS EN 60079-14: 1997. Electrical Installations in hazardous areas (other than mines)
2. Installation of Redapt products should only be carried out by an engineer trained in cable gland installation.
3. Under no circumstances should installation be carried out under live conditions.
4. The installer should ensure that no damage occurs to any thread or form of seal during installation. Where component is plated care should be taken to prevent damage or chipping.
5. Threaded Entries – Components can be installed directly into threaded entries and the recommended torque applied.
6. Clearance Holes – Clearance holes should be 0.5 mm to 1mm larger than the major diameter of the male thread. Components installed into clearance holes should be secured with an appropriate sized locknut to the recommended torque.
7. Maintaining IP 54 Rating – In order to maintain such an IP rating the installer should ensure that parallel threads engage to 6 full threads and tapered thread to 5 full threads.
8. Maintaining IP 66-67-68 Rating – In order to maintain the IP Rating of a component, the above thread engagement must be attained. The surface of the enclosure should also be clean and free from dust or moisture before assembly. In order to maintain IP 66-67-68 the installer must ensure that the sealing washer is in the correct position. A non-hardening thread sealant may be used to provide protection.
9. If a serrated washer is used it should not be installed in such a way that it may impair any IP Rating.
10. Recommended Installation Torque – In order to maintain the integrity of the enclosure it is important that an installation torque as detailed below be applied.

Installation Torque

Redapt products should be installed with the same torque as a gland of equivalent size and of the same material. If in doubt the following table should be used as a guide. Torque values apply to non-metric thread equivalents.

Male Thread Size	Recommended Torque (N.m.)
M16 & M20 and Equivalents	32.5
M25 and Equivalents	47.5
M32 and Equivalents	55.0
M40 and Equivalents	65.0
M50 and Equivalents	80.0
M63 and Equivalents	95.0
M75 and Equivalents	110.0
M80 and Above	Major Dia x 2 (i.e. for M80 – 160 N.m.)

Routine Checking and Maintenance

1. All Redapt products should be checked during routine maintenance of the enclosure.

Special Notes

- Non standard threadforms conforming to Table 3 of BS EN 50018 are available as certified components.
- Non standard certified threads - An installation torque appropriate to the nearest metric size should be applied. E.g. Non standard male thread size M24. Use Installation torque of an M25 male thread.
- EExe equipment cannot be used with EExd equipment
- The AR-D series are capable of operating in surrounding temperatures between – 60° C to + 400° C, providing they are not used in conjunction with any sealing device.
- Where the component is to be installed in a threaded entry care should be taken to ensure that the threads are fully engaged to maintain Ex integrity.

For Further Assistance or Details on Redapt's Range Of Products Please Complete Faxback Details.

NAME:	
POSITION:	
COMPANY:	
ADDRESS:	
TEL:	
FAX:	
NATURE OF ENQUIRY:	

FAX: ++44 (0) 121 526 5076

TEL: ++44 (0) 121 526 7058