

1 EC-TYPE EXAMINATION CERTIFICATE



2 **Component intended for use in Potentially
Explosive Atmospheres - Directive 94/9/EC**

3 EC-Type Examination Certificate No: **FM11ATEX0071U**

4 Component: **WKVD QTR00014 Wireless Valve Monitoring Module**
(Type Reference and Name)

5 Name of Applicant: **Eltav Wireless Monitoring Ltd.**

6 Address of Applicant: **15 Hatassia St.
Ra'anana 43654
Israel**

7 This component and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Ltd, notified body number 1725 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

3043400EC dated 3 April 2012

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN 60079-0:2009 and EN 60079-11:2007

10 The sign 'U' placed after the certificate number indicates that the component is subject to a schedule of limitations specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design, examination and tests of the specified component in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 The marking of the component shall include:

 II 1 G Ex ia IIC -40 °C ≤ Ta ≤ 80 °C

Andrew Was
Certification Manager, FM Approvals Ltd.

Issue date: **3rd April 2012**

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE

to EC-Type Examination Certificate No. FM11ATEX0071U

13 Description of Component:

The Eltav WKVD QTR00014 Wireless Valve Monitoring Module is designed to be fitted in to an unspecified Valve Position indicator. The WKVD QTR00014 is a battery powered stand alone device which has no external electrical connections. The self-contained battery pack consists of four lithium cells connected in parallel. The service temperature range of the WKVD QTR00014 is -40°C to 80°C.

The only part of the WKVD QTR00014 that will be exposed after installation in the Valve Indicator housing is the antenna. The antenna was not included in this assessment.

14 Schedule of Limitations:

1. *The maximum service temperature is -40°C to 80°C.*
2. *The WKVD complies with the requirements of EN 61241-11 except for those relating to the enclosure and marking. For applications in explosive dust atmospheres a suitable enclosure meeting the requirements of EN 61241-0 and EN 61241-11, or EN 60079-0 for Group IIIC shall be provided.*
3. *For Group II applications, the WKVD has a temperature class of T4 at the maximum service temperature of 80°C.*
4. *The battery in the WKVD consists of four lithium cells in parallel which are encapsulated with their protective components into a single unit. Therefore it can be replaced in the hazardous area. No special method of securing the enclosure is necessary.*
5. *The antenna for the WKVD shall pass through the wall of the equipment enclosure in such a manner that the equipment protection of the valve position indicator is not invalidated.*
6. *The antenna for the WKVD shall pass through the wall of the equipment enclosure in such a manner that the IP rating of the equipment is not invalidated. For applications in explosive dust atmospheres a suitable antenna bushing meeting the applicable requirements of EN 61241-0 and EN 61241-11, or EN 60079-0 for Group IIIC shall be used.*

15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This EC-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim, FM Approvals Ltd accepts no responsibility for the compliance of the component against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Ltd's ATEX Certification Scheme.

17 Approved Drawings

Details of the approved drawings and documents are identified in the confidential report identified in item 8.

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