CERTIFICATE OF CONFORMITY

1. **FIRE PROTECTION EQUIPMENT**

2. **Certificate No:** **FM23FPUS0145**

3. **Equipment:**
   (Type Reference and Name) **FDC L-22, FDC-L42, FDC-L62**
   Temperature Limit Controller

4. **Name of Listing Company:** **Future Design Controls**

5. **Address of Listing Company:** **7524 West 98th Place,**
   Bridgeview, Illinois 60455, USA

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

   PR466293 dated 14 August 2023

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

   FM 3545:2021

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. Approval Guide Listing Category:

   Temperature Limit Switches, Indicating

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

14 August 2023
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

10. **Description of Equipment:**

11. **Test and Assessment Procedure and Conditions:**

    This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

12. **Schedule Drawings**

    A copy of the technical documentation has been kept by FM Approvals.

13. **Certificate History**

    Details of the supplements to this certificate are described below:

Date	Description
14 August 2023	Original Issue.

ANNEX

FDC-L22 Temperature Limit Controller

Description of Equipment:

FDC-L22 Series Limit Controller
FDC- L22-abcdef

a = Power Input
- 4: 90-250vac
- 5: 20-28vac / 11-40vdc

b = Output 1
- 1: Form A Relay (2A 250V)
- 2: SSRD, 5vdc/30mA
- C: SSRD, 14vdc/40mA

c = Output 2 / Alarm 1
- 0: none
- 1: Form A Relay (2A 250V)
- 2: SSRD, 5vdc/30mA
- C: SSRD, 14vdc/40mA

d = Option 1
- 0: none
- 1: RS-485
- 2: 1 Event Input (EI1)

e = Option 2
- 0: none
- 1: Retransmission 4-20mA/0-20mA
- 2: Retransmission 0-10v
- 3: Alarm 2 (Form A)
- 4: 1 Event Input (EI2)

f = Special Code
- blank
- Special Order AA-ZZ

FDC-L42 Temperature Limit Controller

Description of Equipment:

FDC-L42 Series Limit Controller
FDC-L42-abcdefghij

a = Power Input
- 4: 90-250vac
- 5: 20-28vac/11-40vdc

b = Output 1
- 1: Form A Relay (2A 250V)
- 2: SSRD, 5vdc/30mA
- C: SSRD, 14vdc/40mA

c = Output 2 / Alarm 1
- 0: none
- 1: Form A Relay 2A 250v
- 2: SSRD, 5vdc/30mA
- C: SSRD, 14vdc/40mA

d = Alarm 2 to 3
- 0: none
- 1: Form A Relay on Alarm 2 (2A 250V)
- 2: Form A Relay on Alarm 2 to 3 (2A 250V)

e = Event Inputs
- 0: none
- 1: 2 Event Inputs

f = Option 1
- 0: none
- 1: RS-485

g = Option 2
- 0: none

h = Option 3
- 0: none
- 1: Retransmission 4-20mA/0-20mA
- 2: Retransmission 0-10vdc

i = Option 4

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0: none
1: Terminal Cover

j = Special Code
blank
Special Order AA-ZZ

FDC-L62 Temperature Limit Controller

Description of Equipment:

FDC-L62 Series Limit Controller
FDC-L62-abcdefghi

a = Power Input
4: 90-250vac
5: 20-28vac/11-40vdc

b = Output 1
1: Form A Relay 2A 250v
2: SSRD, 5vdc/30mA
C: SSRD, 14vdc/40mA

c = Output 2 / Alarm 1
0: none
1: Form A Relay 2A 250v
2: SSRD, 5vdc/30mA
C: SSRD, 14vdc/40mA

d = Alarm 2
0: none
1: Form A Relay (2A 250V)

e = Option 1
0: none
1: RS-485

f = Option 2
0: none
1: 2 Event Inputs

g = Option 3
0: none

1: Retransmission 4-20mA/0-20mA
2: Retransmission 0-10vdc
3: Alarm 3 Form A Relay (2A, 250V)

h = Option 4
0: none
1: Terminal Cover

i = Special Code
blank
Special Order AA-ZZ

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