

<b>NO:</b> SW - 118	<b>PRODUCT:</b> D2D and D2T – Door Switch
<b>DATE:</b> March 2017	<b>TYPE:</b> Modification – UL Standard and Marking Change

## D2D and D2T Door Switch - UL Standard and Marking Change In accordance to UL Standard transition from UL1054 to UL61058-1

In an effort to maintain product up-to-date to UL standard requirements, Omron will transition our D2D and D2T Door Switch models from UL1054 to UL61058-1. This transition from UL1054 to UL61058-1 for Special Use Switches is a result of harmonization with the IEC based Standard. Furthermore, this UL standard transition will require UL mark and rating marking changes to the product. The models to be affected include, but are not limited to the models listed below; should you have any additional questions, however, please communicate with the Switch Product Specialist.

**NOTE:** Refer to page 5 of this document for additional UL standard transition notes as well as UL standard marking changes

**Effective Date:**

Effective as of our production in August 2017

**D2D-1000 / 2000 / 3000 Model Detail of Changes – UL Certification:**

D2D-1000 / 2000 / 3000 Model UL Standard Before the change	→	D2D-1000 / 2000 / 3000 Model UL Standard After the change
UL Standard UL1054 has been withdrawn / abolished		UL Standard UL61058-1

**D2T Model Detail of Changes – UL Certification:**

D2T Model UL Standard Before the change	→	D2T Model UL Standard After the change
UL Standard UL1054 has been withdrawn / abolished		UL Standard UL61058-1

**D2D-1000 Model Detail of Changes - Marking:**

D2D-1000 Model Marking Before the change	D2D-1000 Model Marking After the change
<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>1E4: 10,000 operations</li> <li>16A 250VAC</li> <li>UL, CSA marking</li> </ol>	<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>10E3: 10,000 operations (same meaning as before the change)</li> <li>16GP 250VAC (same meaning as before the change)</li> <li>UL marking (UL marking containing CSA standard)</li> </ol>

**D2D-2000 Model Detail of Changes - Marking:**

D2D-2000 Model Marking Before the change	D2D-2000 Model Marking After the change
<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>1E4: 10,000 operations</li> <li>10A 250VAC</li> <li>UL, CSA marking</li> </ol>	<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>10E3: 10,000 operations (same meaning as before the change)</li> <li>10GP 250VAC (same meaning as before the change)</li> <li>UL marking (UL marking containing CSA standard)</li> </ol>

**D2D-3000 Model Detail of Changes - Marking:**

D2D-3000 Model Marking Before the change	D2D-3000 Model Marking After the change
<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>+++ : 10,000 operations</li> <li>16A 250VAC</li> <li>UL, CSA marking</li> </ol>	<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>10E3: 10,000 operations (same meaning as before the change)</li> <li>16GP 250VAC (same meaning as before the change)</li> <li>UL marking (UL marking containing CSA standard)</li> </ol>

**D2T Model Detail of Changes:**

D2T Model Before the change	D2T Model After the change
<p><b>UL Standard</b></p> <p>UL Standard UL1054 has been withdrawn / abolished</p>	<p><b>UL Standard</b></p> <p>UL Standard UL61058-1</p>
<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>5A 125 250VAC</li> <li>0.1A 125VAC</li> <li>UL, CSA marking</li> </ol>	<p><b>Marking</b></p> <ol style="list-style-type: none"> <li>5GP 125 250VAC (same meaning as before the changes)</li> <li>0.1GP 125VAC (same meaning as before the changes)</li> <li>UL marking (UL marking containing CSA standard)</li> </ol>

**Details of Applicable Models:**

**NOTE:** Nomenclature for D2D models may or may not include "BY OMZ" or "(CHI)" or "(WP) BY OMZ" at the end of the part numbers, within the Omron computer system, this is a factory designation and has no bearing on the specifications.

<b>D2D Model Number</b>	
D2D-1000 BY OMZ	D2D-2000 BY OMZ
D2D-1000(CHI)	D2D-2000(CHI)
D2D-1001 BY OMZ	D2D-2000-5 BY OMZ
D2D-1001(CHI)	D2D-2100 BY OMZ
D2D-1002 BY OMZ	D2D-2100(CHI)
D2D-1002(CHI)	D2D-3103 BY OMZ
D2D-1002(WP) BY OMZ	D2D-3104 BY OMZ
D2D-1100 BY OMZ	D2D-3104-2 BY OMZ
D2D-1101 BY OMZ	D2D-3104-3(S) BY OMZ
D2D-1102 BY OMZ	D2D-3104-7 BY OMZ

<b>D2T Model Number</b>
D2T-L022T1S
D2T-LKT1-1
D2T-LT1
D2T-LT1-1
D2T-LT1S
D2T-T1
D2T-T1S

\* Sales teams should communicate this discontinuation with their OEM's and CEM's.  
For further technical support and any questions, please communicate with Product Marketing.

Specifications in this product news are as of the issue date and are subject to change without notice.  
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.

Last time buy dates are subject to change based on availability

**UL Standard transition notes:**

- UL is providing this alternative certification approach since the transition from UL 1054 to UL 61058-1 for Special Use Switches is a result of harmonization with the IEC based Standard.
- Existing certifications to UL 1054 will be allowed to continue to be certified under Appliance and Special Use Switches and not be withdrawn after June 23, 2015, provided there are no changes to the design that require a certification decision or until a new/revised requirement is determined to require a file review in the future. For example, changes to the switch design, ratings, or the use of alternate plastics (with a few exceptions) requiring a certification decision will need to be evaluated to UL 61058-1(2) after June 23, 2015.
- UL 1054 the Standard for Special Use Switches will be withdrawn on June 23, 2015.
- After June 23, 2015, only UL 61058-1(2) will be used for the evaluation of switches.
- The evaluation for compliance to CSA Standard C22.2 No. 55 will continue as indicated above unless a safety related change to the CSA Standard is published.

**UL Standard Marking changes:**

8.3DV.1 D2 Modification of 8.3 to add the following symbols for North American type ratings for alternating current, direct current, inductive, resistive, and tungsten filament lamp loads and phase:

General Purpose.....	GP
Resistive Load .....	R
Only Alternating Current Tungsten Filament Lamp Load .....	L
Alternating Current or Direct Current Tungsten Filament Lamp Load .....	T
Horsepower .....	hp
Multiple Phases (2 or 3 phase).....	2 $\phi$ or 2 ph or 3 $\phi$ or 3 ph

GP = General purpose (PF = 0.75 to 0.8).

6[3] A 250 VL or 6[3] / 250 VT

8.4.6DV D2 Addition of 8.4.6DV to include inductive load ratings:

For circuits for North American inductive load (General Purpose), the symbol "GP" immediately follows the current rating to indicate the inductive load rating. For example, 10A GP 250 Vac or 10GP 250 Vac or 10 GP (2) A 250 Vac (combined general purpose and IEC motor load).

8.4.7DV D2 Addition of 8.4.7DV to include horsepower (hp) ratings:

For circuits for North American horsepower load (hp), the fractional hp value designation is followed by the symbol "hp". For example, 1 ½ hp 250 Va.c. or 10GP 1/2hp 125 Va.c (combination GP and hp load).

8.4.8DV D2 Addition of 8.4.8DV to include television (TV) ratings:

Circuits for North American television (TV) loads shall be indicated using "TV-" immediately before the RATED CURRENT for television loads. For example, TV-5 250Va.c.

24, 25, 26 Ratings/Marking	7 Classification and Declaration 8 Marking and documentation	<p>UL 61058-1 has specific marking and declaration requirements. However the markings required to be placed on the switch are similar to UL 1054, the others are made via documentation. In addition, the types of electrical loads has been expanded (European and North American) including the following:</p> <p>7.1.2 Loads R= Resistive, PF not less than 0.9, RM= Resistive or motor or combination, PF not less than 0.6, RC= combination of Resistive and Capacitive AC, L= Tungsten filament lamp, Spc= Declared specific load, mA= Current not exceeding 20mA, SpcL= Specific lamp, I= Inductive, PF not less than 0.6, SpcM= specific motor with locked rotor, PF not less than 0.6, e= minimum load for electronic sw, TV= Television (Lamp), GP= General Purpose, PF not less than 0.75 or more than 0.8, GP-M= GP or Motor (PF not less than 0.6) or combination, GP-hp= GP or hp (PF not less than 0.4) or combination</p> <p>Marking legible and durable test is required for printed marking</p>
-------------------------------	-----------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------