



## SEISMIC CERTIFICATE OF COMPLIANCE

Product Line: ABB, Inc. TruONE Automatic Transfer Switches  
200A-400A (Wall Mount) and 600A-1200A (Floor Mount)

**Qualified to CBC-2016 Section 1705.13 and IBC 2015 Section 1705.13**

**Seismic Parameters:  $S_{DS} = 2.0g$  at  $z/h = 1$  and  $S_{DS} = 2.5g$  at  $z/h = 0$  for  $I_p = 1.5$**



Floor Mounted UUTs



Wall Mounted UUTs

**Qualified by Shake-Table Testing at Clark Testing Laboratory, Jefferson Hills, PA, May 2019**

(WEGAI Seismic Report No. 1089-263)

(Clark JID No. 19-00274)

See WEGAI report No. 1089-263 for details on the product line and seismic installation requirements.

### **Certification:**

This document certifies the above mentioned ATS product line manufactured by ABB, Inc. meets the requirements for special seismic certification of IBC-2015/CBC-2016 with an Importance Factor of 1.5.



05/24/2019

Seismic certification work performed by W.E. Gundy & Associates, Inc. ([www.wegai.com](http://www.wegai.com)).  
Frank Eckwright, Registered Professional Engineer, California



**ABB TruOne AUTOMATIC TRANSFER SWITCH  
SPECIAL SEISMIC CERTIFICATION PRODUCT LINE MATRIX**



ID Number <sup>1)</sup>	Ampere Rating	Pole	NEMA Rating	Enclosure Dimensions (in)			Service Weight (lbs)	Representative UUT
				Width	Depth	Height		
<b>TABLE 1: WALL MOUNTED ATS PRODUCT LINE - MAX SDS = 2.5 at z/h = 0 and SDS = 2.0 at z/h = 1.0</b>								
ZGO-200	200	3	3R	24.0	12.3	32.0	100	UUT-1
ZXO/ZGO/ZGD/ZSO/ZSD 30-200	30-200	2 / 3 / 4	1 / 3R / 4 / 12	24.0	12.0-12.3	32.0	95 - 125	interpolated
ZXO/ZGO/ZGD/ZSO/ZSD -260	260	2 / 3 / 4	1 / 3R / 4 / 12	24.0	14.0-14.3	46.0	130 - 165	interpolated
ZXO/ZGO/ZGD/ZSO/ZSD -400	400	2 / 3 / 4	1 / 3R / 4 / 12	24.0	14.0-14.3	46.0	165 - 200	interpolated
ZGO -400	400	4	1	24.0	14.0	46.0	200	UUT-2
<b>TABLE 2: FLOOR MOUNTED ATS PRODUCT LINE - MAX SDS = 2.5 at z/h = 0 and SDS = 2.0 at z/h = 1.0</b>								
ZGO -600	600	4	1	28.0	19.5	54.0	225	UUT-3
ZXO/ZGO/ZGD/ZSO/ZSD -600	600	2 / 3 / 4	1 / 3R / 4 / 12	28.0	19.5-19.8	54.0	210 - 255	interpolated
ZXO/ZGO/ZGD/ZSO/ZSD -800 to 1200	800 - 1200	3 / 4	1 / 3R / 4 / 12	40.0	19.5-19.8	74.0	485 - 525	interpolated
ZGO -1200	1200	4	3R	40.0	19.8	74.0	525	UUT-4

Notes:

- 1) All components are manufactured by ABB unless otherwise noted. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.
- 2) Enclosures are constructed of bolted and welded carbon steel.
- 3) The ZTS/ZTG/ZTX automatic transfer switches (ATS) are of nearly identical construction (minor control differences listed below).

ZXO - ZTX Open transition with L2 controller  
 ZGO - ZTG Open transition with L3  
 ZGD - ZTG Delay transition with L3 controller  
 ZSO - ZTS Open transition with L4 controller  
 ZSD - ZTS Delay transition with L4 controller

**ABB TruOne AUTOMATIC TRANSFER SWITCH  
SPECIAL SEISMIC CERTIFICATION SUBCOMPONENT MATRIX**



Subcomponent ID Number <sup>1)</sup>	Description	Manufacturer	General Dimensions (in)			Weight (lbs)	Representative UUT
			Width	Depth	Height		
<b>Automatic Transfer Switch Power Panel Assembly</b>							
OXX(30-200)UXXXXX-ZE	200A 3-Pole open transition power panel	ABB	13.0	7.2	15.4	32	UUT-1
OXX(260)UXXXXX-ZE	260A 2, 3, 4-Pole open/delay transition power panel	ABB	12.8-17.9	7.2-8.4	14.8-20.8	28 - 39	extrapolate
OXX(400)UXXXXX-ZE	400A 2, 3, 4-Pole open/delay transition power panel	ABB	15.1-20.2	7.2-8.4	14.8-20.8	32 - 98	extrapolate
OXX(400)UXXXXX-ZE	400A 4-Pole open transition power panel	ABB	20.2	7.2	18.9	45	UUT-2
OXX(600)UXXXXX-ZE	600A 3-Pole open transition power panel	ABB	17.6	8.4	18.9	45	UUT-3
OXX(600)UXXXXX-ZE	600A 2, 3, 4-Pole open/delay transition power panel	ABB	15.1-20.2	7.2-8.4	14.8-20.8	32 - 98	extrapolate
OXX(800-1200)UXXXXX-ZE	800-1200A 3, 4-Pole open/delay transition power panel	ABB	23.5-28.1	7.2-8.4	14.1-20.9	35-127	extrapolate
OXB1200U4xxxx-ZE	1200A 4-Pole delay transition power panel	ABB	28.0	8.4	19.2	127	UUT-4
<b>Electrical Panel / Controller Components</b>							
OXAMI1-L2	Open transition Level 2 HMI	ABB	4.0	0.8	6.5	2.0	
OXAMI1-L3	Open transition Level 3 HMI	ABB	4.0	0.8	6.5	2.0	UUT-1, 3
OXBMI1-L3	Delay transition Level 3 HMI	ABB	4.0	0.8	6.5	2.0	
OXAMI1-L4	Open transition Level 4 HMI	ABB	4.0	0.8	6.5	2.0	UUT-2, 4
OXBMI1-L4	Delay transition Level 4 HMI	ABB	4.0	0.8	6.5	2.0	

Note: The "xxxx" designation at the end of the model number provides differences in control software for the power panels.