



# Customers Training Plan for Year 2020 Water-Based Fire Protection within APAC & Middle East





# **Multiple Customers Trainings Plan for Year 2020**

Johnson Controls is pleased to invite you to attend our Multiple Customers Trainings for Water-based Fire Protection solutions hosted in one of our TechXchange Academies in Singapore, Dubai or Bangalore.

We offer a range of high quality trainings and educational programs for our customers through our TechXchange Team. Our team of experienced trainers offers high quality and tailored training programs and live training sessions that are educational in content and directly applicable to contractors, distributors, designers, builders, end-users, legal and insurance professionals, consultants, AHJs, inspectors and authorities in the fire protection systems industry.

Below is the annual training plan for year 2020, open to our customers to enroll and attend one of the sessions. We also can offer customized training upon request. Please feel free to reach out to us directly or through your local Sales Manager(s) / contact at Johnson Controls.

















SINGAPORE TechXchange Academy for Year 2020 - Open Sessions

SINGAPORE Techxchange Academy for Year 2020 – Open Sessions		
Month	Topics	Dates*
January	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Extended Coverage Sprinklers vs. Standard Coverage &amp; Storage Sprinkler Application (8 Hours)</li> </ul>	13 Jan 2020 14 Jan 2020
	<ul><li>Hands on Deluge and Pre-Action Training (8 hours)</li><li>Introduction to Water Mist Systems (4 hours)</li></ul>	15 Jan 2020 16 Jan 2020 (am)
February	<ul> <li>AquaMist Machinery Spaces Design (8 hours)</li> <li>Introduction to Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> </ul>	13 Feb 2020 14 Feb 2020 (am)
March	<ul> <li>SprinkCAD Design Software Training (3 Days)**</li> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Deluge and Pre-Action Training (8 hours)</li> </ul>	TBD 26 Mar 2020 27 Mar 2020
April	<ul> <li>Introduction to Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> <li>Hands on Deluge and Pre-Action Training (8 hours)</li> </ul>	15 Apr 2020 (am) 16 Apr 2020
June	<ul> <li>NFPA 13 Navigation Course (3 days)**</li> <li>SprinkCAD Design Software Training (3 Days)**</li> </ul>	02-04 Jun 2020 TBD
July	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Extended Coverage Sprinklers vs. Standard Coverage &amp; Storage Sprinkler Application (8 Hours)</li> <li>Hands on Deluge and Pre-Action Training (8 hours)</li> </ul>	07 Jul 2020 08 Jul 2020 09 Jul 2020
	<ul> <li>AquaMist Machinery Spaces Design (8 hours)</li> </ul>	10 Jul 2020
August	<ul><li>Introduction to Sprinklers and Valves (8 Hours)</li><li>Hands on Deluge and Pre-Action Training (8 hours)</li></ul>	20 Aug 2020 21 Aug 2020
September	<ul> <li>AquaMist Machinery Spaces Design (8 hours)</li> <li>Introduction to Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> </ul>	22 Sept 2020 23 Sept 2020 (am)
October	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Extended Coverage Sprinklers vs. Standard Coverage &amp; Storage Sprinkler Application (8 Hours)</li> </ul>	06 Oct 2020 07 Oct 2020
	<ul><li>Hands on Deluge and Pre-Action Training (8 hours)</li><li>Introduction to Water Mist Systems (4 hours)</li></ul>	08 Oct 2020 09 Oct 2020 (am)
November	<ul><li>Introduction to Sprinklers and Valves (8 Hours)</li><li>Hands on Deluge and Pre-Action Training (8 hours)</li></ul>	04 Nov 2020 05 Nov 2020
December	Hands on Deluge and Pre-Action Training (8 hours)  datas subject to absence due to any unforces a sirry materials will no	08 Dec 2020

<sup>\*</sup> The training dates subject to change due to any unforeseen circumstances, will notify enrolled participants.

<sup>\*\*</sup>This training will apply a fee and will be closed for registration 6 weeks before the training start dates.





**DUBAI TechXchange Academy for Year 2020 – Open Sessions** 

DUBAI TechXchange Academy for Year 2020 – Open Sessions			
Month	Topics (Olling)	Dates*	
January	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	8 Jan 2020 15 Jan 2020	
February	<ul> <li>Introduction to Water Mist Systems (4 hours)</li> <li>Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> <li>Enhanced Fire Protection Solutions – Tunnel Protection with TN17/25 Nozzle &amp; Window Sprinklers (8 Hours)</li> <li>Enhanced Fire Protection Solutions – Extended Coverage Sprinklers &amp; Storage Sprinkler Application (8 Hours)</li> </ul>	5 Feb 2020 (am) 5 Feb 2020 (pm) 12 Feb 2020 19 Feb 2020	
March	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	11 Mar 2020 18 Mar 2020	
April	<ul> <li>NFPA 13 Navigation Course (3 days)**</li> <li>SprinkCAD Software training</li> </ul>	TBD TBD	
May	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	6 May 2020 13 May 2020	
June	<ul> <li>Enhanced Fire Protection Solutions – Tunnel Protection with TN17/25 Nozzle &amp; Window Sprinklers (8 Hours)</li> <li>Enhanced Fire Protection Solutions – Extended Coverage Sprinklers &amp; Storage Sprinkler Application (8 Hours)</li> </ul>	10 Jun 2020 17 Jun 2020	
July	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	8 Jul 2020 15 Jul 2020	
August	<ul> <li>Enhanced Fire Protection Solutions – Extended Coverage Sprinklers &amp; Storage Sprinkler Application (8 Hours)</li> <li>Enhanced Fire Protection Solutions – Tunnel Protection with TN17/25 Nozzle &amp; Window Sprinklers (8 Hours)</li> </ul>	12 Aug 2020 19 Aug 2020	
September	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	9 Sept 2020 16 Sept 2020	
October	<ul> <li>NFPA 13 Navigation Course (3 days)**</li> <li>SprinkCAD Software Training</li> </ul>	TBD TBD	
November	<ul> <li>Introduction to Water Mist Systems (4 hours)</li> <li>Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> <li>Enhanced Fire Protection Solutions – Tunnel Protection with TN17/25 Nozzle &amp; Window Sprinklers (8 Hours)</li> <li>Enhanced Fire Protection Solutions – Extended Coverage Sprinklers &amp; Storage Sprinkler Application (8 Hours)</li> </ul>	11 Nov 2020 (am) 11 Nov 2020 (pm) 18 Nov 2020 25 Nov 2020	
December	<ul> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Hands on Valves – Wet, Deluge and Pre-Action Training (8 hours)</li> </ul>	9 Dec 2020 16 Dec 2020	

<sup>\*</sup> The training dates subject to change due to any unforeseen circumstances, will notify enrolled participants.

<sup>\*\*</sup>This training will apply a fee and will be closed for registration 6 weeks before the training start dates.





BANGALORE TechXchange Academy for Year 2020 - Open Sessions

BANGALORE TechXchange Academy for Year 2020 – Open Sessions			
Month	Topics	Dates*	
January	<ul> <li>Introduction to Water Mist System &amp; ITS Hardware (8 hours)</li> <li>Training on Designing of AquaMist ULF-Machinery Spaces &amp; AquaMist FOG-Machinery Spaces (8 hours)</li> </ul>	9 Jan 2020 10 Jan 2020	
	<ul> <li>Storage Sprinkler Application (4 hours) &amp; Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> </ul>	24 Jan 2020	
February	<ul> <li>SprinkCAD Training**</li> <li>Training on Designing of AquaMist ULF-Data Center (5 hours)</li> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Tyco Unique Solutions (4 hours)</li> </ul>	TBD 6 Feb 2020 (am) 7 Feb 2020 12 Feb 2020 (am)	
March	<ul> <li>Hands on Deluge and Pre-action Training (8 hours)</li> <li>Enhanced Fire Protection Solutions-Extended Coverage Sprinklers vs. Standard Coverage Sprinklers(4 hours)</li> </ul>	12 Mar 2020 13 Mar 2020 (am)	
April	<ul> <li>Introduction to Water Mist System &amp; ITS Hardware (8 hours)</li> <li>Training on Designing of AquaMist ULF-Machinery Spaces &amp; AquaMist FOG-Machinery Spaces (8 hours)</li> </ul>	16 Apr2020 17 Apr2020	
May	<ul> <li>Storage Sprinkler application (4 hours)</li> <li>Training on Designing of AquaMist ULF-Data Center (5 hours)</li> <li>Introduction to Sprinklers and Valves (8 Hours)</li> </ul>	8 May 2020 (am) 14 May 2020 (am) 15 May 2020	
June	<ul> <li>Hands on Deluge and Pre-action Training (8 hours)</li> <li>Enhanced Fire Protection Solutions-Extended Coverage Sprinklers vs. Standard Coverage Sprinklers (4 hours)</li> </ul>	11 June 2020 12 June 2020 (am)	
	Tyco Unique Solutions (4 hours)	19 June 2020 (am)	
July	<ul> <li>Introduction to Water Mist System &amp; ITS Hardware (8 hours)</li> <li>Training on Designing of AquaMist ULF-Machinery Spaces &amp; AquaMist FOG-Machinery Spaces (8 hours)</li> </ul>	9 Jul 2020 10 Jul 2020	
August	<ul> <li>Storage Sprinkler Application (8 hours)</li> <li>Training on Designing of AquaMist ULF-Data Center (5 hours)</li> <li>Introduction to Sprinklers and Valves (8 Hours)</li> </ul>	7 Aug 2020 13 Aug 2020 (am) 14 Aug 2020	
September	<ul> <li>Hands on Deluge and Pre-action Training (8 hours)</li> <li>Enhanced Fire Protection Solutions-Extended Coverage Sprinklers vs. Standard Coverage Sprinklers (4 hours)</li> </ul>	11 Sept 2020 17 Sept 2020 (am)	
	<ul> <li>Storage Sprinkler Application (4 hours) &amp; Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> </ul>	18 Sept 2020	
October	<ul> <li>NFPA 13 Navigation Course (3 days)**</li> <li>SprinkCAD Training**</li> <li>Introduction to Water Mist System &amp; ITS Hardware (8 hours)</li> </ul>	TBD TBD 8 Oct 2020	
	<ul> <li>Training on Designing of AquaMist ULF-Machinery Spaces &amp; AquaMist FOG-Machinery Spaces (8 hours)</li> </ul>	9 Oct 2020	
November	<ul> <li>Training on Designing of AquaMist ULF-Data Center (5 hours)</li> <li>Introduction to Sprinklers and Valves (8 Hours)</li> <li>Tyco Unique Solutions (4 hours)</li> </ul>	6 Nov 2020 (am) 19 Nov 2020 20 Nov 2020 (am)	
December	<ul> <li>Hands on Deluge and Pre-action Training (8 hours)</li> <li>Enhanced Fire Protection Solutions-Extended Coverage Sprinklers vs. Standard Coverage Sprinklers (4 hours)</li> <li>Storage Sprinkler Application (4 hours) &amp; Grinnell G-Fire Grooved Fire Protection System (4 hours)</li> </ul>	10 Dec 2020 11 Dec 2020 (am) 18 Dec 2020	

<sup>\*</sup> The training dates subject to change due to any unforeseen circumstances, will notify enrolled participants.

<sup>\*\*</sup>This training will apply a fee and will be closed for registration 6 weeks before the training start dates.





# **Multiple Customer Sessions (open for enrolment)**

#### 1. Introduction to Sprinkler and Valves

The objective of this training program is to provide a basic understanding and overview intro of the different types of sprinklers and alarm valves available. Each type will be defined and the specific application will be addressed. To complete the training, we will provide a live demonstration of the different sprinkler types and their spray patterns in our Spray Demo Room.

In regards to the alarm valves we will explain the working principles and technical details of all available types of alarm valves and at the end we will provide a live demonstration of the valves in our Valve Demo Room.

### Highlights:

- Overview of different types of sprinklers available.
- Live demonstration of sprinkler spray patterns.
- Explanation of the different available sprinkler systems.
- Live demonstration of the working principles of all available types of valves.

#### 2. Enhanced Fire Protection Solutions

### Extended Coverage Sprinklers vs. Standard Coverage Heads

There is more to it than the higher cost of an Extended Coverage (EC) Sprinkler. We explain the difference between standard and extended coverage, discuss the types of spaces where the EC will provide an effective protection. We will show how the more costly sprinkler can result in significant total savings in a sprinkler system. Join us to review this subject and the potential savings when using a cost effective design in buildings.

#### Storage Sprinkler Application

The distribution of products has undergone a huge transformation over the years fueled by telemarketing and online shopping. Developments in construction and warehouse management systems and increasing cost of land have resulted in the quest to build taller warehouses. We discuss these challenges higher ceilings with mixed commodities as well as the need to ensure the system's viability in the longer term. Let us show how you can future proof your warehouse.

### Window Sprinkler (Model WS)

The TYCO Model WS Specific Application Window Sprinklers are fast response, glass bulb-type spray sprinklers available in Horizontal Sidewall and Pendent Vertical Sidewall models.

## Tunnel Protection with TN17/25 Nozzle

Protecting tunnels against fire hazards poses many unique challenges. Tunnels see every type of vehicle and possible fuel load; congestion and the potential for large fires create the need for a fire protection system that increases safety by minimizing the risk of fire propagation. The innovative, integrated fire suppression solutions from Tyco Fire Protection Products help to control and suppress fire even in the most challenging of environments, helping to manage fire risk and keep people, assets and the environment safe.

### 3. Hands on Deluge and Pre-Action Training

This class is for Sprinkler Installers, Owners and End-users of the different types of Sprinkler Valves, including Pre-action, Deluge Valves and Systems. We will review the operation of the valve. Switches and accessories, operation and maintenance requirements. Come and Join the fun in our Live Demonstration room with real valves and operational features.





## 4. Field Issues Setting of Pre-Action & Alarm Valves

We will handle and simulate field issues at setting pre-action & alarm valves. Common installation and practical training how to solve or avoid issues.

## 5. Introduction to Water Mist Systems

In this class we will provide an overview of our AquaMist fire protection solutions for different applications. We do show the difference between traditional sprinkler systems and Watermist as well as a live demonstration on spray patterns.

## 6. AquaMist Machinery Spaces Design

In this class we will provide the Design and Budgetary BOQ of AquaMist ULF (Intermediate Pressure Watermist System) and AquaMist FOG (High Pressure Watermist System).

### 7. Grinnell G-Fire Grooved Fire Protection system

In this class, we will provide an overview of our Grinnell G-fire Fire Protection System.

Please note: You can only choose programs your company carries an authorized distributor agreement for <u>OR</u> after consulting your Johnson Controls regional sales manager.





### **General Terms and Conditions**

#### Venue

The training will take place in one of our regional TechXchange Academies:

# • Singapore TechXchange

# Tyco Fire & Building Products Asia Pte Ltd

Address: 2 Serangoon North Avenue 5, #07-01, Singapore 554911. Telephone: +65 6601 9403, Email: <a href="mailto:training-apac@tycofp.com">training-apac@tycofp.com</a>

#### Dubai TechXchange

#### Tyco Building Services Products ME.

Address: Block D, Floor 3, Office Park Building #56, Dubai Internet City, Dubai, United Arab

**Emirates** 

Telephone: +971 (0)4 455 0768, Email: <u>Training-ME@tyco-bspd.com</u>

### Bangalore TechXchange

### Tyco Safety Product (India) Private Ltd

Address: C-601, RMZ Centennial, Kundalahalli Main Road, Bengaluru – 560048, India.

Telephone: +91 80 4052 7062, Email: <a href="mailto:training-apac@tycofp.com">training-apac@tycofp.com</a>

# **Training Fee**

The open enrollment trainings are provided on complimentary basis unless the training have quoted training fee will apply.

However, a cancellation fee will apply at USD100 (US Dollars One Hundred) per participant, if participant notify to the Training Coordinator / TechXchange Academy less than 3 working days (exclude weekends and public holiday) before the training start dates by email or No Show.

#### Overseas Participant(s)

- VISA Application We can issue you a Letter of Invitation for your VISA application at your own arrangement and expenses. In the letter, we will only issue the duration based on the training dates (+1 day before and after the training dates). Please contact us should you need the letter. Please Note: If you're staying more days than the training dates, please apply the Tourist VISA due to JCI cannot be your guarantor of your personal overstay.
- Hotel Accommodation You must book and pay at your own expenses, please contact us should you need any hotel recommendations.

#### **Enrolment**

Outlook invitations for each session will be sent out soon. Please inform your regional training coordinator if your customers are interested to participate. Please be aware that only limited number of participants can attend each training course – so please register latest by the deadline. Please let the interested customers wait for email confirmation prior to purchase of airline tickets and hotel accommodation (for overseas participants).





#### **Contact Information**

For any questions, feel free to contact the Tyco regional sales managers. In addition, you may also contact the TechXchange Academy Training Coordinator at:

Singapore and Bangalore TechXchange
Email: <a href="mailto:training-apac@tycofp.com">training-apac@tycofp.com</a>
Phone: +65 6601 9403

Dubai TechXchange
Email: <a href="mailto:training-ME@tyco-bspd.com">training-ME@tyco-bspd.com</a>
Phone: +971 (0)4 455 0701

## **Advanced Trainings / Customized Sessions**

These sessions will be delivered at customer request and scheduled accordingly. Training fee may apply. Depending on the topic and customer location, the preference will be in one of our facilities and/or if required/possible on customer-site:

- Quell, Protection of Cold Storage & Unheated Warehouses.
- Residential Fire Protection Training according NFPA.
- Design and Installation of Sprinkler Systems according NFPA13 (Navigation training).
- Water Spray Fixed Systems for Fire Protection.
- Tunnel fire protection system with TN17/25 Nozzles.
- Alarm Valves Training Inspection, test and maintenance NFPA or EN.
- AquaMist (ULF/FOG/SONIC) Watermist Certification trainings.
- SprinkCAD Design Software Training.
- Specific Application Sprinklers Window Sprinklers (Model WS).
- Specific Application Sprinklers Attic protection (Models BB, SD, HIP, and AP).
- Specific Application Sprinklers Combustible Concealed Spaces (Model CC1/CC3).
- BlazeMaster CPVC pipe & fittings.
- Grinnell G-Fire Grooved Fire Protection system.

For any questions, feel free to contact your regional sales managers or customer services. In addition, you may also contact the TechXchange Academy Training Coordinator at:

Singapore and Bangalore TechXchange	Dubai TechXchange
Email: training-apac@tycofp.com	Email: Training-ME@tyco-bspd.com
Phone: +65 6601 9403	Phone: +971 (0)4 455 0701

#### <u>Learning Management System</u>

Please visit also our training landing page at <a href="https://www.onlinetechxchange.com/">https://www.onlinetechxchange.com/</a> we will soon make all our global trainings offering available. This will include:

- 1. Live Training Sessions we host at our TechXchange academies globally.
- 2. E-learnings/video's to download for self-learning on your own pace.

Website is currently being worked on and expect to have content available on live trainings around April 2020 for the APAC-ME region. E-learnings are already available and can be downloaded.