



DEPARTMENT OF FIRE AND EMERGENCY SERVICES

DIRECT BRIGADE ALARM (DBA) TECHNICAL BULLETIN February 2022

FIRE DETECTION SYSTEM MONITORING OF WET FIRE SERVICE VALVES & REMOTE ACCESS AND CONTROL OF FDCIE THROUGH SOFTWARE OR MOBILE APPLICATION

Monitoring of wet fire service valves

Fire systems incorporating fire sprinkler systems compliant with AS 2118.1 2017 require specific associated devices and valves to be monitored by the AS1670.1 fire detection and alarm system.

AS 2118.1 2017 has added monitoring requirements beyond previous versions of the standard. In systems containing high hazard portions greater than 300m² and in buildings greater than 25m effective height, water supply stop valves, including backflow prevention isolation valves excluding underground key-operated valves, shall be monitored by the fire detection system.

DFES has recently experienced sites that have not incorporated these requirements and want to bring this topic to attention of industry. Fire system double check valves are often installed by plumbing trades and often are in external areas remote from fire booster or other locations where cable routes are unavailable, making retrofit difficult.

DFES advises fire system installers to coordinate with system designers and trades providing valves requiring monitoring and incorporated cable routes and weather protection of monitoring devices as required.

Remote access and control of FDCIE through software or mobile application

DFES DBA has been made aware of software and mobile applications that provide remote access and control of fire detection control and indicating equipment (FDCIE). This technology is not addressed by previous or current versions of AS 1670.1.

DFES DBA do not take issue with remote software or mobile applications, which provide an indication to users of fire detection systems; however DFES DBA does not support remote control of fire detection systems.

Functions such as isolations and resetting of fire systems should be done through the fire panel interface onsite.

DFES DBA End User Agreement (EUA) with DBA customers stipulates that fire systems shall not be reset after alarm event until DFES have attended the site, viewed alarm information, and confirmed alarm status before resetting the fire system.



DFES DBA also prefer any isolations used on a fire system, be done onsite by relevant site staff or fire maintenance contractors so a physical understanding of the site and effects of isolations can be had.

If DFES DBA are made aware technology being used to remotely isolate or reset fire systems by attending fire stations or other means, DFES DBA may take steps to offline the monitoring of the DBA monitored site until it can be demonstrated that these features are no longer available or in use.

Further Information/Advice

The items in above technical bulletin will be incorporated into next version of DBA Connection Code intended later this year unless new versions of applicable Australian Standards provide further or differing requirements.

For further advice or clarification re this matter, contact the Direct Brigade Alarm (DBA) at dba@dfes.wa.gov.au or 08 9395 9300.