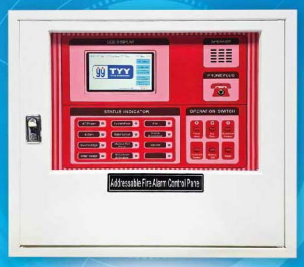
TYY
Yun Yang Fire Safety Equipment

YUN YANG
Fire Safety Equipment

THE AI ADDRESSABLE FIRE ALARM SERIES











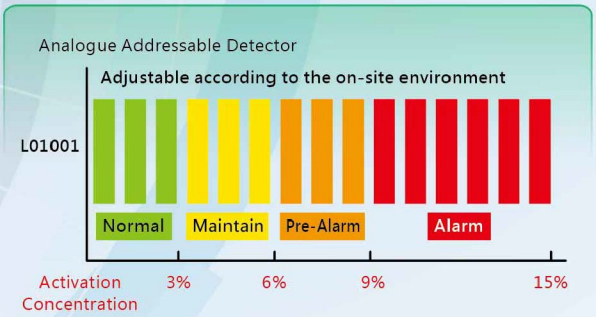
ISO 9001
Quality Certified

YFR-3A (AI)

AI Addressable Control Panel



Alarm threshold



Specifications

Item	Specification
Model	YFR-3A (AI)
Main Power	AC 110V 50/60Hz, AC 220V 50/60Hz
Backup Power Supply	DC24V
Circuit Voltage	Load Power/ Indicating Lamp/ Zone Telephone : DC24V Communication System Power : AC32V
Power Consumption	Main panel monitoring (Max) : 530mA Communication board (per loop) Monitoring (Max) : 380mA
Transmission Mode	Select / poll
Alarm Relay Output Mode	Contact output : Serial alarm relay * 16 groups, up to 2560 points(40-point standard contact requirement, expandable to 160 points)
Sound Output	Synthesized voice , voice, or alarm (90dB or higher)
Cabinet Material	Steel plate with powder coating

Dimensions

Box Type	Wall- mount				Cabinet			
Addresses / Loops	256/1L	768/3L	1280/5L	1792/7L	2304/9L	2816/11L	3328/13L	3840/15L
	512/2L	1024/4L	1536/6L	2048/8L	2560/10L	3072/12L	3584/14L	4096/16L
H(mm)	450	600	800		1500			
W(mm)	480	480	480		560			
D(mm)	140	160	160		260			

With 15/17-inch Touchscreen

Box Type	Wall- mount		Cabinet					
Addresses / Loops	256/1L	768/3L	1280/5L	1792/7L	2304/9L	2816/11L	3328/13L	3840/15L
	512/2L	1024/4L	1536/6L	2048/8L	2560/10L	3072/12L	3584/14L	4096/16L
H(mm)	800/870		1500				1800	
W(mm)	480/560		560				560	
D(mm)	160/200		260/360				360	

YFR-S3 Addressable Annunciator



YFR-S3

R-type Annunciator Syncing

- Chinese/English liquid crystal display:
  5-Inch LCD screen that simultaneously displays alarms and messages from the control panel, allowing the operating staff to be notified remotely
- Connects to the Addressable Fire Alarm Control Panel via the RS485-45 communication port.
- Dimensions:400 (H)×300 (W)×120 (D) mm
- Annunciator function:
  a.The annunciator is equipped with fire indicator, gas leak indicator, high carbon monoxide concentration indicator, power indicator, disconnection indicator, digital voltage gauge, sound output button, interlock termination button, and full reset button.
  b.LCD backlight protection.
  c.List of repeater module status.
  d.Can initiate full reset and turn speakers off on the control panel.

TYY Fire Reporting Platform

Fire



AI Detector



AI Addressable Fire Alarm Control Panel



TYY Fire Reporting Platform



※ Real-time synchronization of Panel [reporting time, project name / address, device name, fire manager, fire manager phone number, fire map, surveillance image]

Integrated Information Notification System

Big Project Information Notification System

Information Notification Software | Addressable Fire Graphic control/Monitoring computer and Control Panel

Fire



Graphic software

- Automatically display the fire location, pop-up alarm or abnormal status information and map floor.
- Can provide the fire location of the building (including pipeline diagrams, equipment configuration diagrams, chemical storage locations, hazard identification card H-Card information, evacuation and escape plans, relevant resources available for disaster relief, regional neighborhood prevention, etc.)



Internet



Fire manager/ Security supervisor confirm

AI Addressable Fire Alarm Control Panel







Third-party monitoring (agency/department)



Tablet

CCTV





Internet



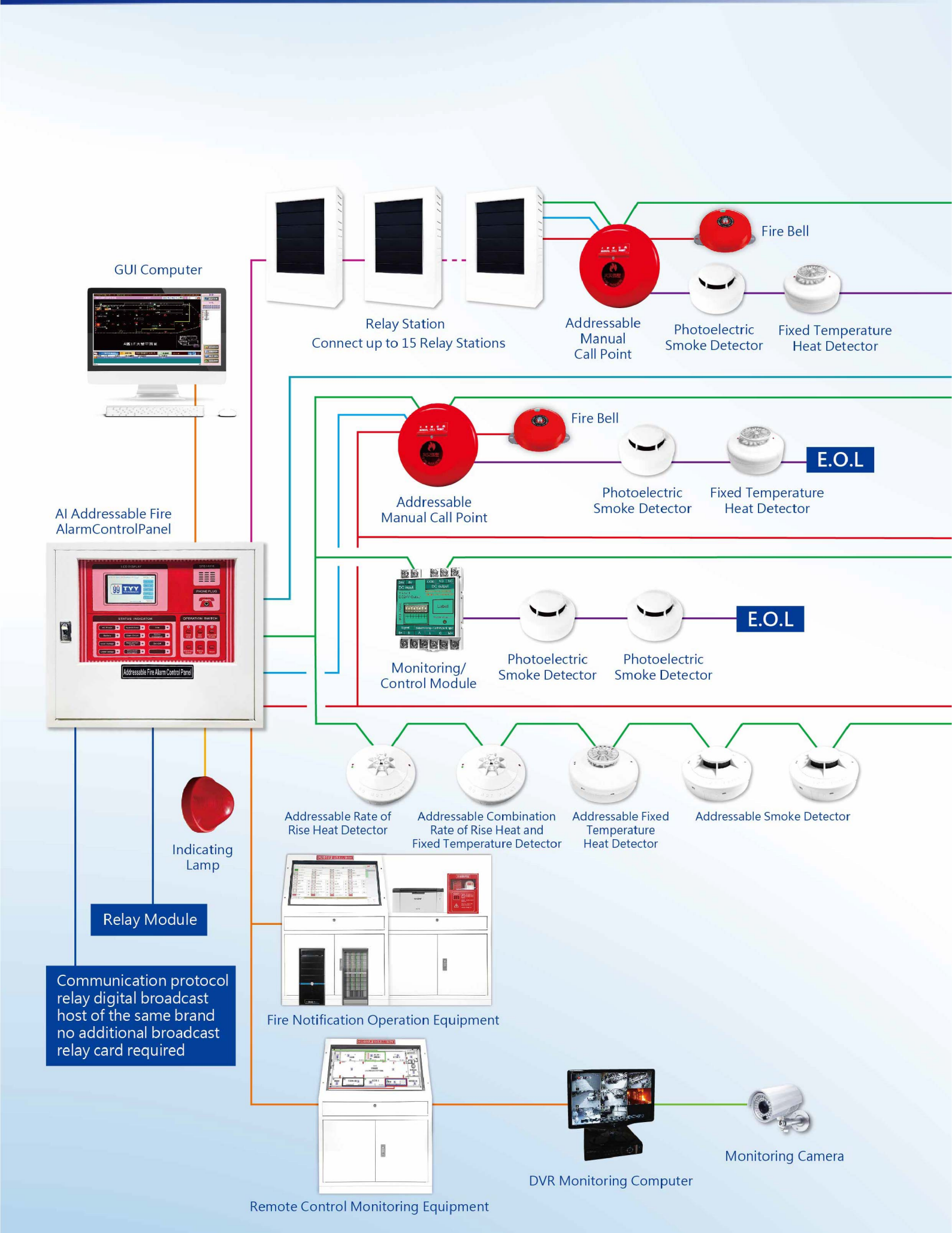
TYY Fire Reporting Platform

※ Real-time synchronization of Panel [reporting time, project name / address, device name, fire manager, fire manager phone number, fire map, surveillance image]



Fire Department

Diagram of YFR-3A
AI Addressable Fire Alarm Control Panel

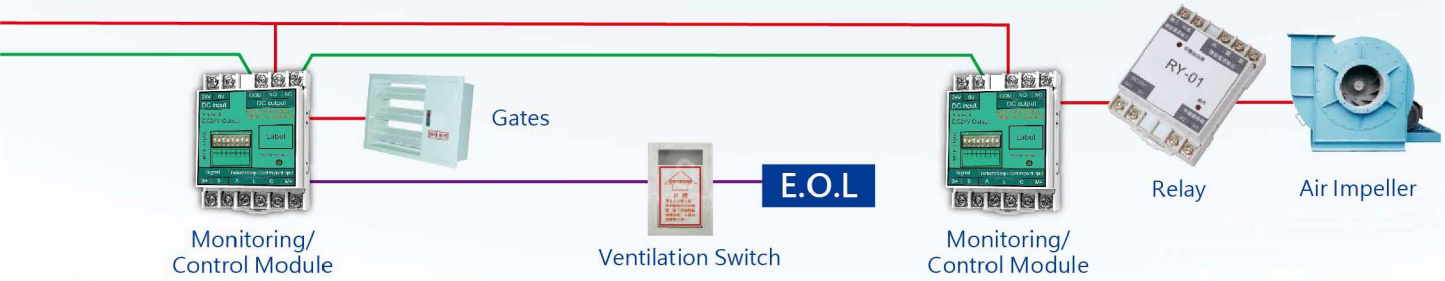


Wiring Specifications

- Relay station communication wire / regional phone wire ：2.0ømm²x2CShielded Twisted Line / 1.6ømm-2C
- Annunciator communication wire / regional phone wire ：1.25~2.0ømm²x2CShielded Twisted Line / 1.2~1.6ømm-2C
- Loop Communication Wire：1.25~2.0ømm²x2C Shielded Twisted Line
- Regional phone wire：1.2~1.6ømm-2C
- Load power wires for bells, gates, buzzers, electric valves, magnetic door holders：1.6~2.0ømm-2C
- Control Panel / Touch Screen Computer / High Level Disaster Prevention Monitoring Computer / DVR Host / Information Notification Module Wire：Internet TCP/IP linkage：Internet cable (CAT-5 / CAT-6)
- Monitoring Fire Equipment Wire：1.2ømm-2C
- Broadcast Communication Protocol Relay / Broadcast Relay Module Wire：1.25ømm2x2CShielded Twisted Line
- Load power wires for indicating lamp：1.6~2.0ømm-2C
- Monitoring camera to DVR main line：5C2V coaxial cable

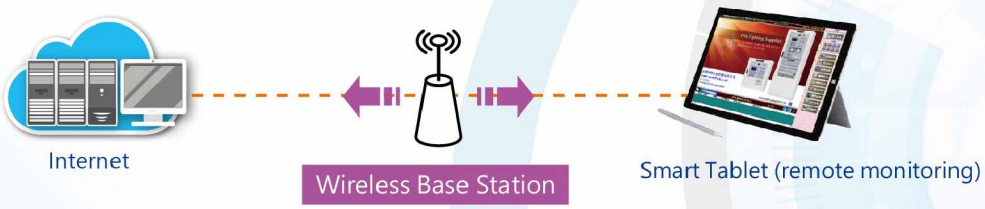












AI Analogue Addressable Detectors

Surface-mount





Ceiling Mount

YDS-A01

Analogue Addressable Photoelectric Smoke Detector

Item	Specifications
Number of Sensitivity Settings	One / Two Types
Material	Flame resistant plastic
Functions	▪ The Analogue Addressable Control Panel can adjust and automatically switch the sensitivity of Analogue Addressable Detectors to day/night/holiday mode (smoke concentration) ▪ Photoelectric induction principle, highly stable while being fast and accurate and not subject to malfunctions resulting from chemical, gas leakage or external light sources. ▪ This detector is not radioactive, is harmless to humans and animals.
Working Environment	0°C -50°C Relative humidity of below 95%
Surface-mount Dimensions	ф 114.1 x47.7(H)mm
Ceiling Mount Dimensions	ф 140 x53.9(H)mm, installation hole 120фmm
Dust Proof/Water Proof Grade	IP44 (optional) / IP44 waterproof base(optional)
R-type-Designated E.O.L	Terminal capacitor (not resistor)

Surface-mount





Ceiling Mount

YDT-A01

Analogue Addressable Fixed Temperature Heat Detector

Item	Specifications
Number of Sensitivity Settings	57°C / One Types
Material	Flame resistant plastic
Functions	▪ The Analogue Addressable Control Panel can adjust and automatically switch the sensitivity of Analogue Addressable Detectors to day/night/holiday mode (temperature) ▪ According to the sensitivity settings, when the thermal resistance detects the temperature difference value of the ambient temperature rise instantly or the temperature rising value of room temperature which starts rise per minute, it responds quickly and sends the fire signal
Working Environment	0°C -50°C Relative humidity of below 95%
Surface-mount Dimensions	ф 114.1 x46.4(H)mm
Ceiling Mount Dimensions	ф 140 x52.6(H)mm, installation hole 120фmm
Dust Proof/Water Proof Grade	IP44 (optional) / IP44 waterproof base(optional)
R-type-Designated E.O.L	Terminal capacitor (not resistor)

Addressable Equipment





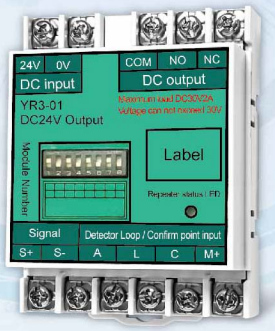
YM-R301

Addressable Manual Call Point (Output Type)

Item	Specifications
Function	Circuit input and circuit control output
Communication Line Impedance	Internal impedance below 10Ω / trunk line
Working Environment	0°C -50°C Relative humidity of below 90%
Material	Flame resistant plastic
Dimensions	ф 139.6×61.55(D) mm
Remark	R-type-designated E.O.L

Module

YR3-01 Monitor/ Control Module (1I/ 1O)



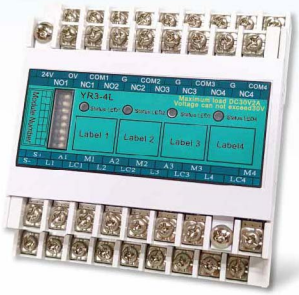
Item	Specifications
Function	1 Circuit Input / 1Circuit Control Output
Input Detection	Smoke, Fixed Temperature, Rate of Rise Heat and NO type(L,C)
Other Monitoring Inputs	NO zero voltage source signal M+(monitoring contact), A(confirmation contact)
Control Output	With power (DC24V) or trigger contact (COM,NO,NC)
Output Contact Rating	DC 30V / 2A (MAX)
Communication Line Impedance	Internal impedance below 10Ω / trunk line
Working Environment	0°C -50°C Relative humidity of below 90%
Material	Flame resistant plastic
Dimensions	59.8(W) x 80(L) x 32.5(H)mm
Dust Proof/Water Proof Grade	IP30 (optional)
R-type-Designated E.O.L	Terminal capacitor (not resistor)

YR3-1L Monitor/ Control Module (1I/ 2O)



Item	Specifications
Function	1 Circuit Input / 1Circuit Control Output
Input Detection	Smoke, Fixed Temperature, Rate of Rise Heat and NO type(L,C)
Other Monitoring Inputs	A(confirmation contact)
Control Output	With power (DC24V) or trigger contact (COM,NO,NC)
Output Contact Rating	DC 30V / 2A (MAX)
Communication Line Impedance	Internal impedance below 10Ω / trunk line
Working Environment	0°C -50°C Relative humidity of below 85%
Dimensions	110.35(W) x 30.6(L) x 80.5(H)mm
R-type-Designated E.O.L	Terminal capacitor (not resistor)

YR3-4L Monitor/ Control Module (4I/ 4O)



Item	Specifications
Function	4 Circuit Input / 4 Circuit Control Output
Input Detection	Smoke, Fixed Temperature, Rate of Rise Heat and NO type(L,C)
Other Monitoring Inputs	NO zero voltage source signal M+(monitoring contact), A(confirmation contact)
Control Output	With power (DC24V) or trigger contact (COM,NO,NC)
Output Contact Rating	DC 30V / 2A (MAX)
Communication Line Impedance	Internal impedance below 10Ω / trunk line
Working Environment	0°C -50°C Relative humidity of below 85%
Material	Flame resistant plastic
Dimensions	103.3(W) x 93.1(L) x 32(H)mm
R-type-Designated E.O.L	Terminal capacitor (not resistor)

YRR-21_1 Communication Isolation Module

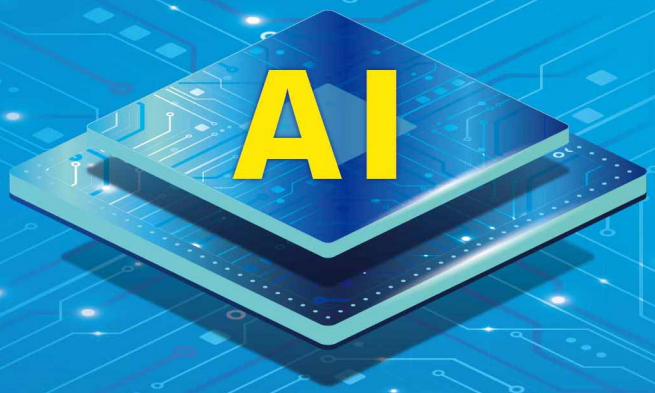


Item	Specifications
Function	Communication line short circuit isolation
Short circuit response time	At mot 0.3 seconds
Working Environment	0°C -50°C Relative humidity of below 85%
Reply Function	A press of the reset button at the control panel can return everything back to home.
Material	Flame resistant plastic
Dimensions	59.8(W)×80(L)×32.5(H)mm

RY-01 Voltage Control Output Module



Item	Specifications
Working Voltage	DC24V
Current Consumption	DC24V 20mA
Output Contact Rating	Less than AC277V/16A
Dimensions	59.8(W)×80(L)×32.5(H)mm



YUN YANG FIRE SAFETY EQUIPMENT CO.,LTD
No. 11-4, Wanjin Rd., Dashe Dist., Kaohsiung City,
Taiwan, 81545, R.O.C
TEL : +886-7-355-1234 EXT : 265 & 208
E-mail : tyy.intl@yun-yang.com.tw

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