



ATHLETICS – FIX CABLING INDOOR

USER'S MANUAL

3373.532.02 | Version 1.0 |



Caution and safety precautions

- Never use any other charger than the supplied or a type approved by Swiss Timing. This could destroy the battery, cause damage to unit, and possibly cause personal injury due to fire or/and electrical shock.
- Never bypass a power cord ground lead by breaking off the ground pin, or by using inappropriate extension cords or adapters.
- Never plug a power cord into the AC power source until you have made sure that all installation, cabling and power levels, are proper, and that the applicable procedures in this manual have been followed.
- Protect the equipment against splashing, rain and excessive sun rays.
- Never use the device if it is damaged or insecure.
- Verify the selection of the power distribution.
- Verify that the voltage quoted on the rating plate is the same as your voltage. Connect the appliance only to power sockets with protective earth. The use of incorrect connection voids warranty.
- This program may be modified at any time without prior notification.
- Do not open the case; there is nothing that needs servicing inside it. Nevertheless, if the case must be opened, you must call for some qualified personnel. The power supply cable must be disconnected before opening the case.
- During the transport of all Swiss Timing equipment delivered with a reusable carry case, the said case should be used at all times. This is imperative to limit the damage, such as shocks or vibration that can be caused to the units during transport.
- The same cases should also be used when returning equipment to Swiss Timing for repair. Swiss Timing reserves the right to refuse all guarantees if this condition is not fulfilled.
- If the installation includes a horn, be sure to maintain a sufficient security distance from the public.

Documentation Updates

Swiss Timing SA reserves the right to make improvements in the products described in this documentation at any time without prior notice. Furthermore, Swiss Timing SA reserves the right to revise this documentation in its content at any time and without any obligation to notify any person or organization of such revision.

Disclaimer

The information provided in this documentation has been obtained from sources believed to be reliable, accurate and current. However, Swiss Timing SA makes no representation or warranty, express or implied, with respect, but not limited to, the completeness, accuracy, correctness and actuality of the content of this documentation. Swiss Timing SA specifically disclaims any implied warranty of merchantability, quality and/or fitness for any particular purpose. Swiss Timing SA shall not be liable for errors contained in this documentation or for incidental or consequential damages in connection with the supply, performance or use of this documentation.

Environment



This symbol indicates that this product should not be disposed with household waste. It has to be returned to a local authorized collection system. By following this procedure you will contribute to the protection of the environment and human health. The recycling of the materials will help to conserve natural resources.

Copyright

© Swiss Timing SA

All rights reserved.

This documentation may not, as a whole or in part, be copied, translated, reproduced, transmitted or reduced and/or stored to any electronic medium or machine-readable form without the prior written consent of Swiss Timing SA

TABLE OF CONTENTS

1	INTRODUCTION.....	1
2	CONNECTIONS	2
2.1	Cable and optical fiber	2
2.2	Pit	3
2.3	General cabling	3
2.3.1	Track.....	3
2.3.2	Timing room	3
3	CONFIGURATION.....	4
3.1	Boxes	4
3.2	Boxes dimensions.....	4
4	WIRING  CABLE	5
4.1	Fix box 3373.701	6
5	CONNECTORS DESCRIPTION	7
6	TECHNICAL SPECIFICATIONS	8
7	APPENDICE.....	9
7.1	Index figures.....	9
7.2	Version history	9

1 INTRODUCTION

Swiss Timing's fixed athletics cabling allows the control room to be connected to the track using underground cables. It is compatible with the new ASC3 false start units and the Athletics Switcher Indoor (ASI) when using several cameras.

Connections are possible in pits situated on the track, namely FINISH (200M track) and 60M (Start)

All timing devices can be connected to it, such as:

- Photoelectric cells (200M-FINISH, 60M-FINISH and 1500M)
- Running time display board
- Start system
- False start unit
- Telephone
- Infield cameras (Start and Finish)

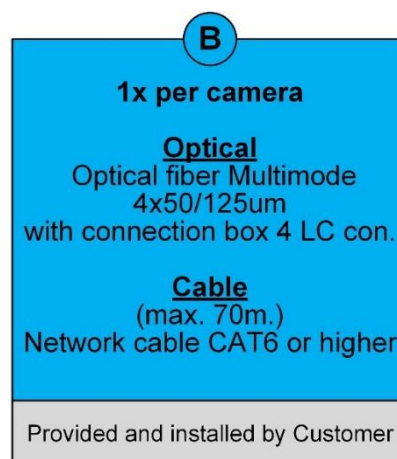
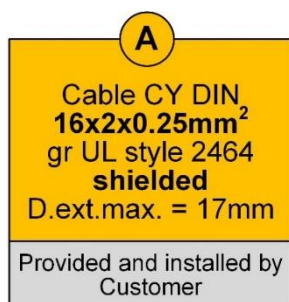
This manual offers the most frequently used versions by our customers, nevertheless there are a multitude of other possibilities that can be perfectly adapted to your needs.

2 CONNECTIONS

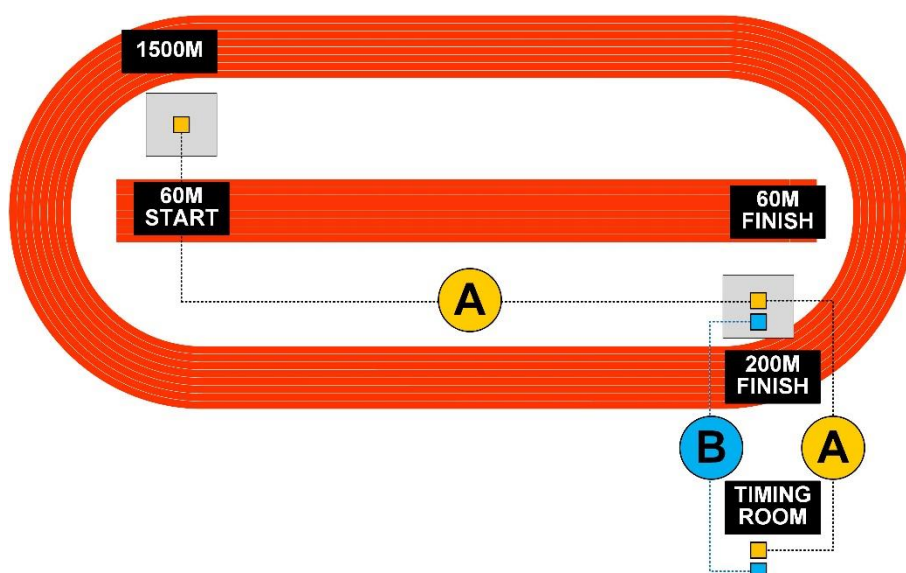
2.1 Cable and optical fiber

The fix cabling is connected through a copper cable from the timing room to the track and around the track.

The Myria Infield camera and Scaider camera are connected through a copper cable or an optical fiber from the timing room to the track.



The figure below shows the Standard line cabling.



2.2 Pit

A minimum of 2 pits are necessary:

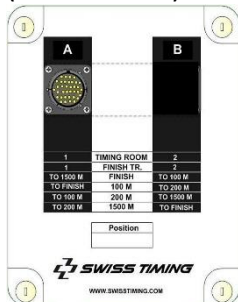
- START 60M
- FINISH 200M

A fix box is installed in each pit :

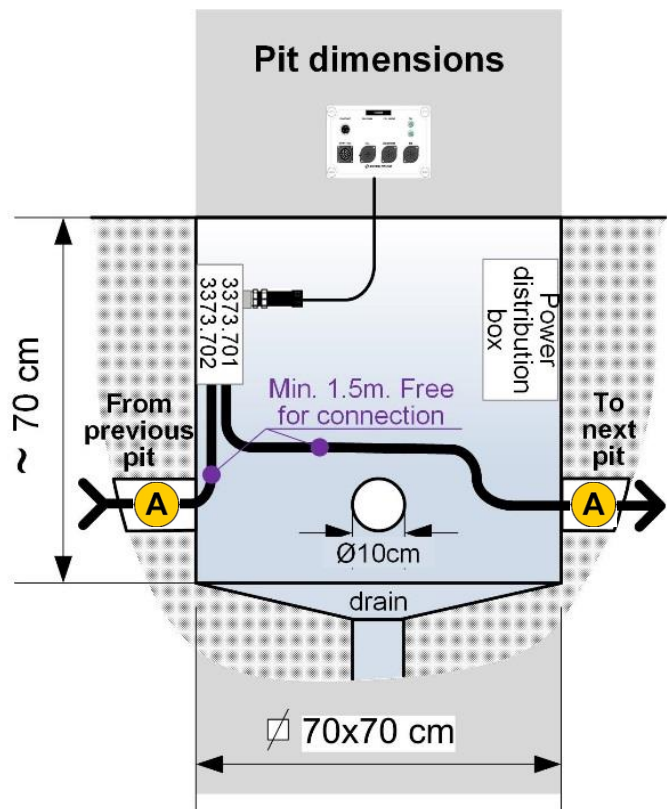
Basic & Standard

3373.701

(1 connector)

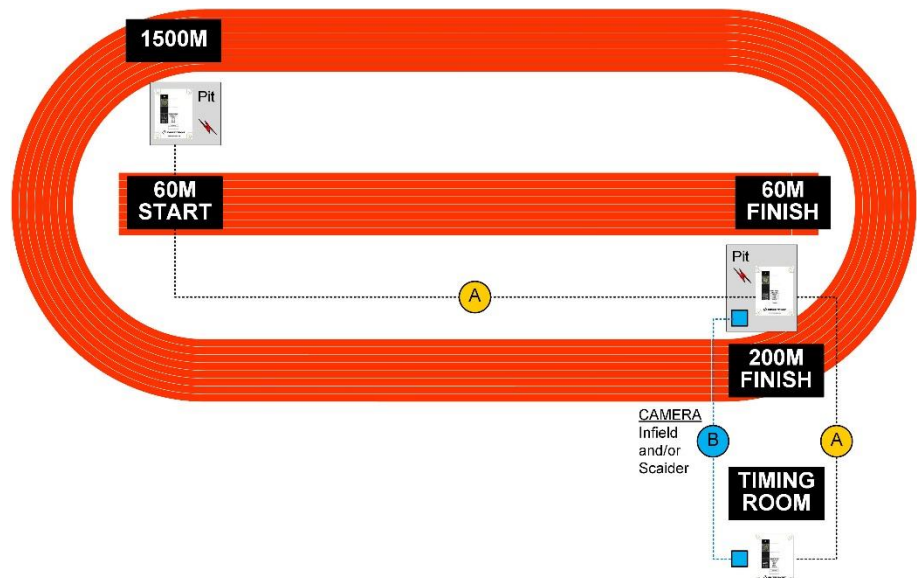


The copper cables **A** are connected to the fix boxes.



2.3 General cabling

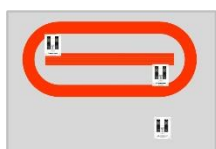
2.3.1 Track



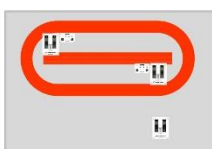
3 CONFIGURATION

Several configurations are available but we can offer other possibilities on request.

- 3373.971 Standard ATH-TRACK indoor fix cabling
 3373.975 Standard ATH-TRACK indoor fix & mobile cabling

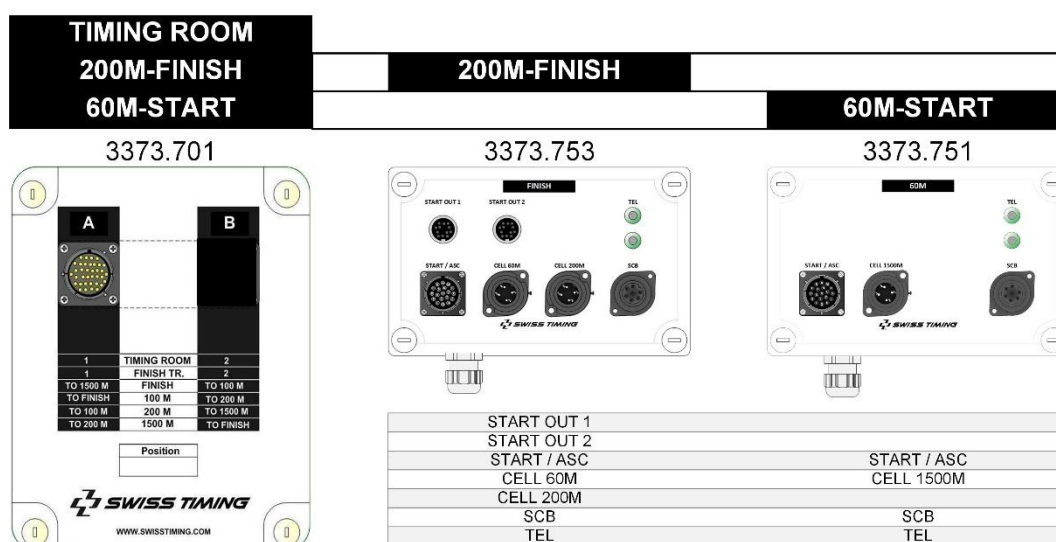


3373.971



3373.973

3.1 Boxes

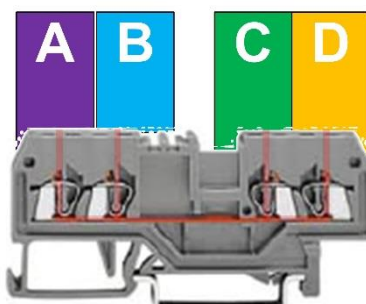
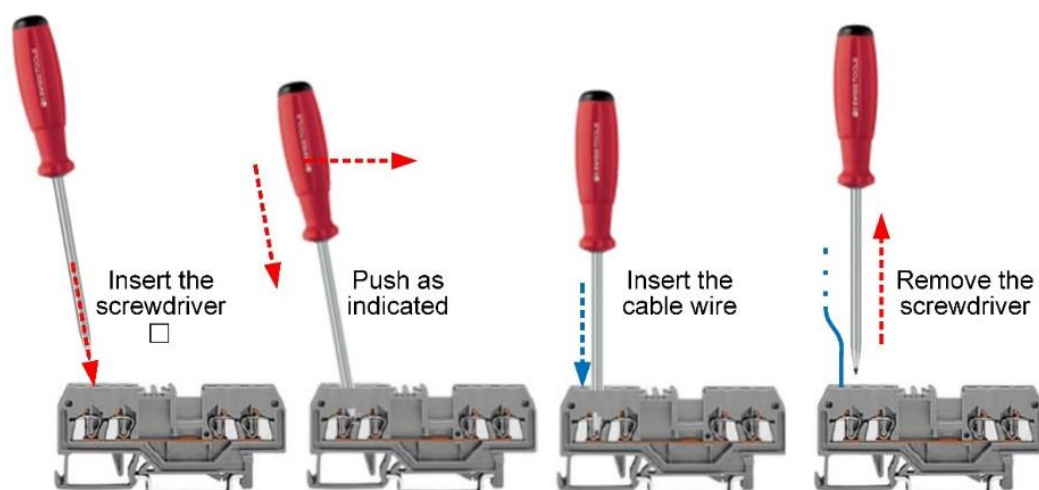
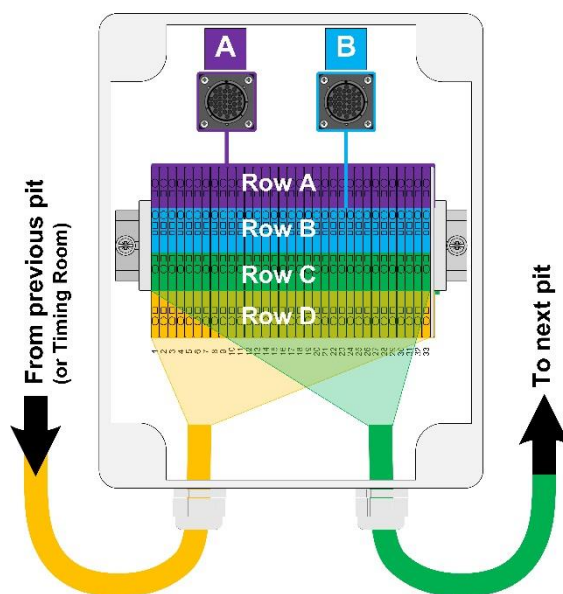
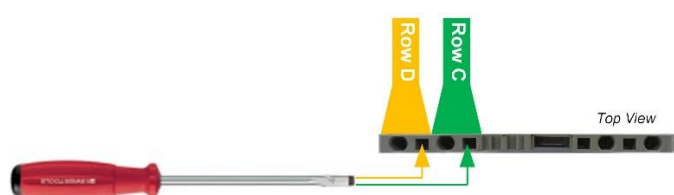


3.2 Boxes dimensions

				Height	Length	Width	Cables	Weight
				cm				kg
H	L	W	C	25	20	10	10	1.2
H				14	20	10	8	0.2

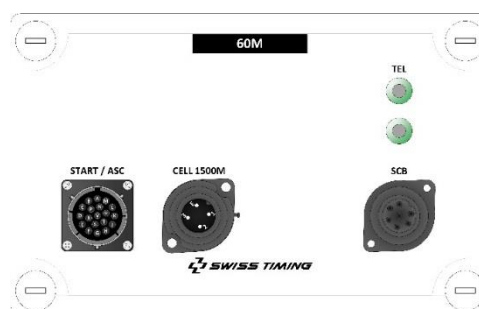
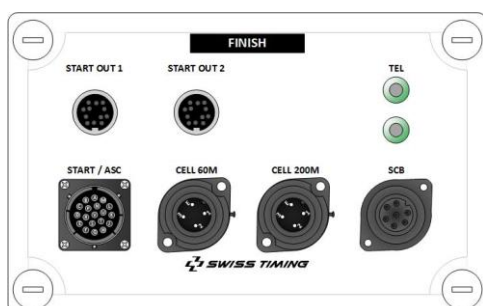
4 WIRING **A** CABLE

- Open the cover box
- Connect cable **A** from previous pit to Row D
- Connect cable **A** to next pit to Row C
- Insert the screwdriver 00 in the square of the corresponding row



5 CONNECTORS DESCRIPTION

TRACK									
START OUT 1 START OUT 2		START / ASC		CELL 60M CELL 200M CELL 1500M		SCB			
Contacts		Contacts		Contacts		RS422			
DIN 12pFT		UTG 19pFT		Tuchel 4pMT		Tuchel 7pFT			
A		A	RS422- from ASC	1		1			
B	READY +	B	RS422+ from ASC	2	From CELL-	2			
C	FINISH +	C		3	From CELL+	3	RS422- to SCB		
D	FINSH -	D		4		4	RS422+ to SCB		
E	START +	E	READY- to ASC			5			
F	START -	F	START+ from ASC			6			
G		G	START- from ASC			E			
H		H	READY+ to ASC						
J		J							
K		K							
L	READY -	L							
M		M							
		N							
		P							
		R							
		S							
		T							
		U	Tel Line a						
		V	Tel Line b						



6 TECHNICAL SPECIFICATIONS

<i>Dimensions:</i>	See chapter 3.2
<i>Weight:</i>	
<i>Protection:</i>	IP45
<i>Working temperature:</i>	0°C to 50° C
<i>Temperature range storage:</i>	-30 to 85°C
<i>CE Standards:</i>	CE

7 APPENDICE

7.1 Index figures

No table of figures entries found.

7.2 Version history

Version	Modifications since last version
1.0	Initial version

NOTES

Swiss Timing LTD
P.O. Box 138, Rue de l'Envers 1
CH-2606 Corgémont - Switzerland

Phone +41 32 488 36 11
info@swisstiming.com
www.swisstiming.com

A COMPANY OF THE  **SWATCH GROUP**